CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
June 12	Sioux Falls, S. D.	May 11
June 12	Mendham, N. J.	May 25
June 12	Wallington, N. J.	June 1
	Adv. June 1 and 8.	
June 12	Amherstburg, Ont.	June 8
June 12	North Tonawanda, N. Y.	June 8
June 13	Toronto, Ont.	June 1
June 13	Kadoka, S. D.	June 1
June 13	Columbus, O.	June 8
June 14	Philip, S. D.	June 1
June 15	St. Lawrence, S. D.	June 1
June 15	Covington, Va.	May 25
	Adv. June 1 and 8.	
June 15	Winter Garden, Fla.	June 8
June 16	Trenton, N. J.	June 1
	Adv. June 1 and 8.	
June 17	Columbus, O.	June 8
June 20	Hartford, Wis.	June 8
June 22	Hendersonville, N. C.	June 1
	Adv. June 1 and 8.	
June 28	Bordentown, N. J.	June 8
	Adv. June 8.	

SEWERS

June 12	Ames, Ia.	June 8
June 13	Mukwonago, Wis.	June 8
June 14	Scottsville, N. Y.	May 25
	Adv. May 25 and June 1.	
June 14	Brooklyn, N. Y.	June 8
June 15	Green Cove Springs, Fla.	June 8
June 16	Milwaukee, Wis.	June 1
June 17	Lincoln, Neb.	June 8
	Adv. June 1 and 8.	
June 17	Brighton, N. Y.	June 8
	Adv. June 8.	
June 19	Blasdell, N. Y.	May 25
June 20	Paducah, Ky.	June 8
	Adv. June 8.	
June 20	York, Pa.	June 8
	Adv. June 1 and 8.	
June 21	East Aurora, N. Y.	June 8
	Adv. June 8.	
June 21	Wash., D. C.	June 1
	Adv. June 1 and 8.	
June 21	Briarcliff Manor, N. Y.	June 8
	Adv. June 8.	
June 22	Syracuse, N. Y.	June 8
	Adv. June 8.	
June 26	Portland, Me.	June 1
June 26	Verona, Pa.	June 8
June 27	Warren, Ark.	June 8
	Adv. June 8.	
June 27	Louisville, Ky.	June 8
	Adv. June 8.	
June 28	Glens Falls, N. Y.	June 8
	Adv. June 1 and 8.	
July 1	Hamburg, N. Y.	May 18
July 1	Lima, O.	June 8
July 6	Winter Haven, Fla.	June 8
	Adv. June 8.	

BRIDGES

June 12	Woodstown, N. J.	May 18
	Adv. May 18 to June 8.	
June 12	Nebraska	May 25
June 12	Hartwell, Ga.	June 8
June 13	Miranda, Cal.	May 25
June 14	New Haven, Conn.	May 18
June 14	Corning, Ia.	May 18
June 14	Clearwater, Fla.	May 25
June 15	Denver, Col.	May 25
	Adv. May 25 to June 8.	
June 15	Kent, Conn.	June 1
June 15	Bridgeport, O.	June 8
June 15	Rock Rapids, Ia.	June 8
June 15	Newton, Ia.	June 8
June 15	St. Thomas, Ont.	June 8
June 21	Schenectady, N. Y.	May 25
	Adv. May 25 to June 8.	
June 22	New Jersey	June 8
	Adv. June 8.	
June 22	Duluth, Minn.	June 8
June 23	Grand Haven, Mich.	June 1
	Adv. June 1 and 8.	
June 28	North Carolina	June 8
July 5	Sturgis, S. D.	May 18
Oct. 31	Sydney, Australia	Jan. 12

EXCAVATION AND DREDGING

June 12	Elk River, Minn.	June 8
June 15	Eudora, Ark.	May 18
June 15	New Ulm, Minn.	May 25
July 8	New Bern, N. C.	June 8
	Adv. June 8.	

STREETS AND ROADS

Bids Close		See Eng. News-Record
June 9	Michigan	June 8
June 12	Easton, Md.	May 25
June 12	Berkeley Springs, W. Va.	May 11
June 12	Nebraska	May 25
June 12	California	May 25
June 12	Camden, N. J.	June 1
June 12	Walkerton, Ont.	June 1
June 12	Keokuk, Ia.	June 1
June 12	Mt. Lebanon, Pa.	June 8
June 12	Kemptville, Ont.	June 8
June 12	Michigan	June 8
June 12	Ames, Ia.	June 8
June 12	Adel, Ia.	June 8
June 13	Maryland	June 1
	Adv. June 1 and 8.	
June 13	Reidsville, N. C.	May 25
June 13	New York	May 25
	Adv. May 25 to June 8.	
June 13	Monroe, Wis.	June 1
June 13	Michigan	June 8
June 13	Columbus, O.	June 8
June 13	Wisconsin	June 8
June 13	Breckenridge, Tex.	June 8
June 14	Modesto, Cal.	June 8
June 14	Florida	June 1
June 14	Corning, Ia.	May 18
June 14	Clearwater, Fla.	May 25
June 14	Worthington, Minn.	May 25
June 14	South Carolina	June 1
June 14	Nevada	June 8
June 14	Michigan	June 8
June 14	South Carolina	June 8
June 14	Akron, O.	June 8
June 14	Brooklyn, N. Y.	June 8
June 14	St. George, N. Y.	June 8
June 15	Galesburg, Ill.	May 25
June 15	Missouri	June 8
June 15	Michigan	June 8
June 15	Brooklyn, N. Y.	June 8
June 15	St. George, N. Y.	June 8
June 15	Rock Rapids, Ia.	June 8
June 16	Ohio	June 8
June 16	Missouri	June 8
June 16	Brooklyn, N. Y.	June 8
June 16	Primghar, Ia.	June 8
June 17	Paris, Tex.	June 8
June 19	St. Paul, Minn.	June 1
June 19	Bangor, Pa.	June 8
June 19	Yankton, S. D.	June 8
June 20	Clarksville, Ga.	May 25
June 20	Trenton, N. J.	June 1
	Adv. June 1 and 8.	
June 20	Harrisville, W. Va.	June 8
June 20	Marion, S. C.	June 8
	Adv. June 8.	
June 20	Columbus, O.	June 8
June 20	East Rochester, N. Y.	June 8
June 21	Morristown, N. J.	June 1
June 21	Red Bank, N. J.	June 1
	Adv. June 1 and 8.	
June 21	Avon, N. J.	May 25
	Adv. May 25 to June 8.	
June 21	Long Branch, N. J.	June 1
	Adv. June 1 and 8.	
June 21	Belvidere, N. J.	June 8
	Adv. June 8.	
June 21	New Mexico	June 8
June 22	Marshalltown, Ia.	June 1
June 22	Hooversville, Pa.	June 8
June 22	Michigan	June 8
June 24	Fairmont, W. Va.	May 25
June 26	Riverside, Cal.	June 1
June 26	Santa Cruz, Cal.	June 8
	Adv. June 8.	
June 26	California	June 8
June 27	Pennsylvania	June 8
	Adv. June 8.	
June 28	Pennsylvania	June 8
	Adv. June 8.	
June 28	North Carolina	June 8
June 28	New Jersey	June 8
	Adv. June 8.	
June 30	Michigan	June 8
	Adv. June 8.	
July 6	Winter Haven, Fla	June 8
	Adv June 8.	

INDUSTRIAL WORK

June 19	Minneapolis, Minn.	June 8
June 21	Peekskill, N. Y.	June 8
	Adv. June 8.	

BUILDINGS

June 10	Ottawa, Ont.	June 8
June 12	Batavia, N. Y.	May 25
June 12	Perrysburg, N. Y.	June 8
June 12	Brooklyn N. Y.	June 8
June 12	Corning, N. Y.	June 8
June 12	Greenburg, Pa.	June 8
June 13	Chariton, Ia.	May 25
June 13	Mexia, Tex.	June 8
June 14	Lincoln, Neb.	June 1
June 14	Spray, N. C.	June 8
June 15	Miami, Fla.	May 25
June 15	Ashland, Ky.	May 25
June 15	Nazareth Pa.	May 25
June 15	Manitowoc, Wis.	June 1
June 15	Claxton, Ga.	June 8
June 15	Liberal, Kan.	June 8
June 15	Phelps, Wis.	June 8
June 16	Decatur, Ind.	May 25
June 16	Columbus, O.	June 1
June 19	Oak Hill, O.	May 25
June 19	Leechburg, Pa.	June 1
June 19	Thomasville, N. Y.	June 1
June 20	Grandview Heights (Columbus P. O.), O.	June 1
June 20	Candor, N. C.	June 8
June 20	Forest Hills, N. Y.	June 8
June 22	Wichita, Kan.	June 8
June 23	Harrisburg, Pa.	June 8
	Adv. June 1 and 8.	
June 23	Nashville, Tenn.	June 8
June 23	Cornwall-on-Hudson, N. Y.	June 8
June 23	Riverhead, N. Y.	May 25
June 24	Westerville, O.	June 8
June 24	Winchester, Va.	May 18
June 26	Verona, Pa.	June 8
June 27	Worland, Wyo.	June 8
June 28	Norwich, N. Y.	June 8
July 1	Perry, N. Y.	May 4
July 10	Albany, N. Y.	June 8

FEDERAL GOVERNMENT WORK

June 12	Underpinning Storehouse — Phila., Pa.	June 1
	Adv. June 1 and 8.	
June 12	Steel Trusses, etc.—New York, N. Y.	June 1
June 13	Lighting System—Ft. Myer, Va.	June 1
	Adv. June 1 and 8.	
June 14	Repairs—Brooklyn, N. Y.	June 8
June 14	Quarters—Rosebank, N. Y.	June 1
June 14	Radio Quarters, etc.—San Juan, P. R.	May 25
June 14	Water Front Development—Pensacola, Fla.	June 1
June 14	Bulkhead Extension — San Diego, Cal	June 1
June 14	Wells—Pensacola, Fla.	June 1
June 14	Dolphins, etc. — San Diego, Cal.	June 1
June 14	Hangars, etc. — San Diego, Cal.	June 1
June 14	Heating System — Sayville, N. Y.	June 1
June 14	Dredging—Tiburon, Cal.	June 8
June 14	Concrete Floors, etc.—New York, N. Y.	June 8
	Adv. June 8.	
June 14	Paving, etc.—Norfolk, Va.	June 8
June 14	Radio Compass House—Nantucket, Mass.	June 8
June 15	Light, Power and Telephone Systems—Prescott, Ariz.	June 1
June 15	Heating System — Brooklyn, N. Y.	June 8
	Adv. June 8.	
June 15	Roads—Colorado	June 8
June 19	Dam—Chilo, O.	May 25
	Adv. May 25 to June 8.	
June 19	Dam—Vanceburg, Ky.	May 25
	Adv. May 25 to June 8.	
June 19	Boiler, etc. — Bloomington, Ill.	June 8
June 19	Heating System — Baltimore, Md.	June 8
June 20	Disposal Plant — Tucson, Ariz.	June 1
June 20	Repairs to Cable, etc.—Wash., D. C.	June 8
	Adv. June 8.	
June 20	Coal Chute, etc.—Ft. Benning, Ga.	June 8
	Adv. June 8.	
June 20	Storehouses — Ft. Benning, Ga.	June 8
	Adv. June 8.	
June 20	Changes, etc.—New Orleans, La.	June 8
June 20	Fence—Brooklyn, N. Y.	June 8
June 21	File Cases—Wash., D. C.	June 8
	Adv. June 8.	
June 21	Fuel Oil Tanks, etc. — Wash. D. C.	June 8
	Adv. June 8.	
June 21	Steam Main—Norfolk, Va.	June 8
June 21	Remodeling—Quantico, Va.	June 8
June 21	Repairs—Wash., D. C.	June 8
June 21	Repairs—Anacostia, D. C.	June 8
June 21	Alternators, etc. — Yorktown, Va.	June 8
June 22	Stone—Bar Harbor, Me.	May 25
	Adv. May 25 to June 8.	

Bids Close		See Eng. News-Record
June 22	**Boiler Plant, etc.—**Tuskegee, Ala.	June 1
June 22	Roads—California	June 8
June 23	Steel Hangars—Ft. Benjamin Harrison, Ind. Adv. June 1 and 8.	June 1
June 23	Hangars — Bolling Field, D. C. Adv. June 8.	June 8
June 23	Oil Burning System, etc. — Ft. Sam Houston, Tex. Adv. June 8	June 8
June 23	Boilers—Evansville, Ind.	June 8
June 26	Steel Hulls — Nashville, Tenn. Adv. May 25 to June 8.	May 25
June 26	Post Office—Vinton, Ia.	June 8
June 27	School—Wash., D. C.	June 1
June 27	Hospital—St. Louis, Mo. Adv. May 25 to June 1.	May 25
June 28	Drainage—Malta, Mont.	May 18
June 28	Engines—Detroit, Mich. Adv. June 1 and 8.	June 8
July 1	Rubber Hose — Memphis, Tenn. Adv. June 8.	June 8
July 3	Parcel Post Room, etc. — Crookston, Minn. Adv. June 8.	June 8
July 7	Dredging—Baltimore, Md. Adv. June 8.	June 8

MISCELLANEOUS

June 12	Heating System — Altoona, Pa.	June 1
June 12	Fuel Oil, Fire Hydrants, etc. —Phila., Pa.	June 8
June 14	Elevation of Grade Crossings —St. Paul, Minn.	June 1
June 14	Asphaltic Cement, etc. — St. George, N. Y.	June 8
June 16	Subway, Erie, Pa.	June 8
June 23	Marginal Wharf—Camden, N. J.	June 1
June 27	Underground Fire Alarm System—Brooklyn, N. Y.	June 8
June 29	Dock, etc.—Troy, N. Y. Adv. June 1 and 8.	June 1
July 19	Turbine and Accessories — New Orleans, La. Adv. May 18 to June 8.	May 18

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

R. I., Central Falls—Plans to improve and extend water pipe system. $150,000. S. P. Cummings, city engr.

N. C., Fayetteville—See "Sewers."

N. C., Kernersville—Voted $58,000 bonds constructing waterworks system. Carolina Eng. Co., Wilmington, engrs. Noted March 2, under Sewers.

N. C., Taylorsville—See "Sewers."

Fla., Deland—Had plans prepared constructing waterworks. Election soon to vote on $116,000 bonds. J. B. McCrary Co., 3rd Natl. Bank Bldg., Atlanta, Ga., engrs.

Fla., Homestead—To vote on $25,000 bonds constructing waterworks. B. M. Duncan, Homestead, engr.

Fla., Winter Garden—Voted $33,000 bonds constructing waterworks. R. B. Haddon, mayor.

O., Bowling Green—Dept. Welfare, 9th and Oak Sts., Columbus, making plans waterworks system and connecting wells, at State Normal School, here. $20,000. C. A. Harst, Ohio-Hartman Bldg., Columbus, engr.

Mich., Redford—Plans 65,810 ft. 4-24 in. c.i. water mains, pump house, etc. Detroit Water Bd., Detroit, engrs.

Wis., Ft. Atkinson—Making plans for addition to water supply. $25,000. W. G. Kerchoffer, Vroman Bldg., Madison, engr.

Wis., Rice Lake—Plans waterworks extensions and improvements. $40,000. O. Jenson, clk. Engineer not selected.

Ia., Oelwein—See "Sewers."

Minn., Edgerton—Plans waterworks improvements, incl. new steel tank, 25,000-30,000 gal. capacity, on old tower, may extend mains, sink new well, buy new pump and build new pumphouse. Engineer not selected.

Minn., Springfield—Plans waterworks extensions. $22,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs.

Tex., Ennis—June 20, to vote on $35,000 bond issue for waterworks improvements and sewer extensions. R. A. McCulloch, city mgr.

Tex., Pampa—Voted $80,000 bond issue for installation of waterworks and sewer systems. Address Mayor.

Tex., Wichita Falls—Plans filtration plant. $20,000. F. M. Rugely, city engr.

Wash., Walla Walla—Water Comn. soon takes bids Div. 2 of water system, incl. 4 mi. pipe line to Wenaha National Forest, gravity type dam, 100 ft. wide, 16 ft. high, sluice gates, telephone pole line and wagon road. $140,000. E. B. Hussey, Alaska Bldg., Seattle, engr.

Cal., Hermosa Beach—Election soon to vote on $500,000 bonds for following improvements: buying present privately-owned waterworks systems; sewerage system; auditorium on pier; extending present pier 300 ft. into ocean; purchasing fire fighting apparatus.

Ont., Thornbury—Having plans prepared new waterworks system. $30,000. Prices wanted on pumps, pipe, etc. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Woodbridge—Having plans prepared waterworks system. $25,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs. Prices wanted on material and equipment.

BIDS DESIRED

N. Y., North Tonawanda—June 12, filtration plant. $250,000. J. N. Chester, Union Bank Bldg., Pittsburgh, Pa., engr. C. Oelkers, City Hall, city engr.

N. J., Bordentown—June 28, at Office Commissioner of Education, State House, Trenton, complete water supply system, incl. distribution system, steel tank and tower and pump house. Hill & Ferguson, 112 East 19th St., New York, engrs.; adv. this issue.

Fla., Winter Garden—June 15, 8,000 ft. 6 and 8 in. c.i. pipe, 7,000 ft. 1½ galvanized pipe, two 500 gal. per minute, 250 ft. head vertical pumps with 50 h.p. motors and centrifugal pumps, including hydraulic connections, foundations, electrical auxiliaries, etc. S. C. Carmack, clk.

O., Columbus—June 13, by W. H. Duffy, dir. Pub. Serv., 10,800 ft. 24 in. main in Parsons Ave. from Livingston Ave. to alley north of Kian Ave. $100,000. R. H. Simpson, city engr.

O., Columbus—June 17, by R. W. Smith, clk., Franklin Co., 1,260 ft. 12 in. cement and 5,470 ft. 6 in. c. i. mains in Beechwood South Contract. $15,000. E. G. Bradbury, 174 East Long St., engr.

Wis., Hartford—June 20, by W. Rodke, city clk., furnishing one large carload Class B bell and spigot c.i. water pipe and ells y's, sleeves, tees and gate valves.

Wis., Mukwonago—See "Sewers."

Tex., Clarksville—June 15, to vote on $22,000 bond issue for waterworks extensions, $20,000 street paving, $5,000 for incinerator. P. Y. Creager, city engr.

Ont., Amherstburg—June 12, by W. A. McCormick, town engr., extending 6 in. c.i. mains. $27,000.

BIDS RECEIVED

O., Cleveland—Cuyahoga Co. installing 43,660 ft. 4-12 in. c.i. mains in Parma Water Dist., Schedules A and B, from N. Carrocio & A. Gaudio, 14,109 Benwood Ave., Schedule A, $132,968; Gantose Constr. Co., Columbia Bldg., Schedule A, $134,034; Langahan Constr. Co., Marshall Bldg., Schedule A, $137,220, Schedule B, $58,052; D. Phahl Co., Guardian Bldg., Schedule B, $55,119.

O., Maple Heights—For 14,735 ft. 4-10 in. mains in Dunham, Rockside, Kohout, Raymond and Royal Sts., from J. H. Dace, 1452 West 98th St., Cleveland, $40,816; W. McDowell & Son, 10319 Miles Ave., Cleveland, $45,514.

CONTRACTS AWARDED

N. Y., Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Greenpoint and Kingsland Aves., here, to J. A. Gregory, 351 East 124th St., New York, $36,756. Noted June 1.

Fla., Jacksonville—Installing and equipping pumping system, to Burford, Hall & Smith, Amer. Trust Bldg., $4,537. Noted April 20.

Fla., Seabreeze—For c.i. pipe, to Central Fdry. Co., Trust Co. of Georgia Bldg., Atlanta, Ga., $20,654; tank and tower, to R. D. Cole & Co., Newman, Ga., $4,890; pumps and motors, to Fairbanks-Morse Co., 900 South Wabash Ave., Chicago, $3,170; softener and filer, to International Filter Co., 38 South Dearborn St., Chicago, $7,300; 6 in. artesian wells, to Wiley Melton, Daytona, $1,260; laying pipe, to V. C. Grant, Daytona Beach, $5,665; carting materials, to G. L. Johnson, Seabreeze, $648; incinerator, to Nye Odorless Crematory Co., Georgia Life Bldg., Macon, Ga., $4,750; valves and hydrants, to Columbian Iron Wks., 811 Boyce St., Chattanooga, Tenn., $3,799. Noted April 6.

O., Germantown—For 45,000 ft. 4-12 in. mains, to Gangl Constr. Co., 737 2nd Natl. Bldg., Akron, $69,954; foundation for tank tower, to W. H. Sliver, Germantown, $800; tank, to Chicago Bridge & Iron Co., 37 West Van Buren St., Chicago, $11,200. Noted May 11.

Ill. Harvard—For 11,900 ft. 8 in. 3,300 ft. 6 in. and 2,900 ft. 4 in. mains, also valves, valve boxes and 12 hydrants, to H. D. Hallett, 132 Downer Pl., Aurora, $29,-405. Engrs. estimate $30,000.

Wis., West Allis—For 5,200 lin.ft. 24 in. c.i. mains in National Ave. between 38th and 47th Sts., to Mid West Constr. Co., 209 Grand Ave., Milwaukee, $10.25 per lin.ft. Noted Nov. 3.

Neb., Culbertson—Furnishing and installing pipe line, pump machinery and reconstructing old well, to F. H. Jacobson, Lexington, $10,334. Engrs. est. $15,000. Noted May 4.

Mont., Polson—For gravity water system, pipe to Continental Pipe Co., 4519 14th St., N. W., Seattle, Wash., $30,303; labor to Hyer Constr. Co., Polson, $9,042.

Okla., Henryetta—Extending water mains, to Merkle Mchy. and Constr. Co., 1733 Walnut St., Kansas City, Mo., $42,600. Noted May 4.

Ont., Eastview Centre—Will lay 3 mi. c.i. mains by day labor, incl. 15,000 ft. c.i. pipe, 4 in. up. $60,000. Pipe to be purchased. Patterson & Byrne, 71½ Sparks St., Ottawa, engrs.

N. B., Campbellton—See "Sewers."

Hawaii, Honolulu—J. Garrett, city clk., 2,500,000 gal. concrete reservoir in Nuuana Valley, to J. R. Davis & Co., Honolulu, $61,390. Noted April 20.

Sewers

PROPOSED WORK

N. C., Fayetteville—Voted $300,000 bonds constructing sewerage and waterworks systems. E. R. MacKethan, mayor. Noted March 2.

N. C., Kernersville—Voted $47,000 bonds constructing sewerage system. Carolina Eng. Co., Wilmington, engrs. Noted March 2.

N. C., Taylorsville—Voted $75,000 bonds constructing sewerage and waterworks systems. Carolina Eng. Co., Wilmington, engrs. Noted March 2.

Fla., Deland—Had plans prepared for sewers. Election soon to vote on $90,000 bonds. J. B. McCrary Co., 3rd Natl. Bank Bldg., Atlanta, Ga., engrs.

O., Columbus—Soon takes bids Dunedin Sanitary Sewer from Northmore Rd. to alley west of High St., 23,480 ft. 6-15 in. pipe. $43,844. R. H. Simpson, city engr.

Wis., Rice Lake—Plans sewer extensions and improvements. $60,000. O. Jenson, clk. Engineer not selected.

Ia., Oelwein—Takes bids early in July, 13,261 ft. sewers and approximately 7,000 ft. water mains. E. B. Tourtellot, Oelwein, engr.

Tex., Ennis—See "Waterworks."

Tex., Jacksboro—Voted $70,000 bonds for installation of sewage system. Address Mayor.

Cal., Hermosa Beach—See "Waterworks."

Cal., Modesto—Takes bids about June 15, constructing storm water sewers in Dist. 4, 16,069 cu.yd. excav., 8,634 lin.ft. 8-14 in. vir. pipe, 8,479 lin. ft. 18-36 in. rein.-con. pipe, etc. $60,000. G. Freitas, city engr.

Que., Montreal—Plans 4,322 ft. 2 x 3 brick sewer in Laverdure St. from Gouin Blvd. to 42nd Ave. $48,542. F. V. Dowd, asst. supt. sewers.

BIDS DESIRED

N. Y., Briarcliff Manor — June 21, by Municipal Bd., sewers and settling tanks. C. Potts, 30 Church St., New York, consult engr.; adv. this issue.

N. Y., Brighton—June 17, by Comrs. Sewer Dist. 1,847 Powers Bldg., Rochester, sewers in certain streets, here. W. S Lozier, 321 Cutler Bldg., Rochester, consult. engr.; adv. this issue.

N. Y., Brooklyn—June 14, by E. Riegelmann, boro pres., Boro Hall, sewers in Fenimore St. between Nostrand and Kingston Aves., etc., Nostrand Ave. between tracks of Long Island R.R. and Ave. I; sewer basins in east side of East 10th St. south of Ave. K and west side of West 10th St., 17th Ave. and 42nd St., Meeker and Engert Aves., Kenmore Pl. and Milford St., etc.

N. Y., East Aurora—June 21, by Bd. Village Trustees connecting sewers and new sewage disposal works. W. McCulloh, Niagara Falls, consult. engr.; adv. this issue.

N. Y., Glens Falls—June 28, (change of date) by L. G. Boynton, city clk. extending sanitary and storm water sewers; adv. this ussue. Noted June 1.

N. Y., Perrysburg—See "Buildings."

N. Y., Syracuse—June 22, at office of Syracuse Intercepting Sewer Bd., 104 City

Sewers (Continued)

Hall, sewage pumping station. H. J. Hamlin, secy.; adv. this issue.

Pa., Lebanon—See "Streets and Roads."

Pa., Verona—June 26, by S. P. Grundy, secy. Boro. Council sewer in 1st Ave., 1,500 lin.ft. 36 and 48 in. brick, 1,810 lin.ft. 15, 18, 20 and 24 in. terra cotta pipe; Seldon Ave., 1,165 lin.ft. 15, 18 and 24 in terra cotta pipe. Douglass & McKnight, 710 Columbia Bank Bldg., Pittsburgh, engrs.

Pa., York—June 20, additions and improvements to sewage disposal plant. Fuller & McClintock, 170 Bway., New York, engr.; adv. this issue.

S. C., Marion—See "Streets and Roads."

Fla., Green Cove Springs—June 15, by M. Nepp, chn., constructing 2,800 lin.ft. sanitary sewers, 6,222 lin.ft. combined storm and sanitary sewers, 8,225 lin.ft. storm sewers, etc. J. B. McCrary Co., 3rd Natl. Bank Bldg., Atlanta, Ga., engrs.

Fla., Winter Haven—July 6, 12 mi. sanitary sewers and 3 disposal plants. H. S. Jaudon Eng. Co., Elberton, Ga., engrs.; adv. this issue. Noted April 27.

Ky., Louisville—June 23, by Sewerage Comrs., constructing Speed Ave. sewer and drain, also 44th St. and Parker Ave. sewers. J. B. F. Breed, ch. engr.; adv. this issue. Noted May 11.

Ky., Paducah—June 20, (change of date), by H. A. Pulliam, Comr. Pub. Wks., constructing sewers; adv. this issue. Noted May 25.

O., Lima—July 1, extending 3 storm water relief sewerage systems. $700,000. C. A. Bingham, city mgr.

Wis., Mukwonago—June 13, furnishing and laying 11,842 ft. 6-10 in. vitr. pipe sewer, 26 manholes, 8 lampholes, 1 flush tank and 5,272 ft. 4 in. c.i. water pipe, etc. W. G. Kirchoffer, 22 North Carroll St., Madison, engr.

Ia., Ames—June 12, 7,600 ft. 8 in. sanitary sewers in Sunrise and Baird additions. A. B. Maxwell, clk.

Neb., Lincoln—June 17, by Trustees of Sanitary Dist. 1, Lancaster Co., constructing sewage disposal plant. W. J. Blystone, chn.; adv. this issue.

Ark., Warren—June 27, by Bd. Comrs. Sewer Impvt. Dist. 1, 11 mi. sewers, etc. F. L. Wilcox, Chemical Bldg., St. Louis, Mo., engr.; adv. this issue.

Ont., Niagara Falls—See "Niagara Falls, N. Y."

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., opened bids May 29, sewers in (1) Chauncey St., (2) 4th Ave., (3) 77th (Amber) St., (4) Tower Pl. (Oak St.), receiving basins, in (5) Liberty Ave., 4th Ward, etc., from M. Paino Co., 32 Court St., Brooklyn, (1) $1,786, (2) $2,649, (3) $1,918, (4) $2,266, (5) $12,100; Peace Bros., Inc., 20 Main St., Flushing, (1) $1,832, (2) $2,660, (3) $1,683, (4) $2,257, (5) $12,930; Kennedy & Smith, Inc., 93 Amity St., Flushing, (1) $2,069, (2) $2,750, (3) $2,060, (5) $13,429; J. F. Clancy, Inc., 460 Lockwood St., Astoria, (4) $2,480. Noted May 25.

N. J., Paterson—Passaic Valley Sewerage Comrs., 128 Market St., Newark, opened bids May 31, sewer connections in East 11th St. 6th and 1st Aves., here, from Arnolt-More, Inc., 45 Clinton St., Newark, $42,500; M. Averill, Woodside Ave., Newark, $46,405; Culp Co., Inc., 412 East 37th St., $51,458. Noted May 18.

Pa., Phila.—Main concrete sewer in Johnson St. from 7th to 13th Sts., from J. Lombardi, Lincoln Bldg., $56,014; A. Joffola, 139 South 50th St., $57,454; Ryan Constr. Co., Real Estate Trust, Bldg., $56,041. Noetd May 18.

CONTRACTS AWARDED

N. Y., Croton-on-Hudson—Sewers to J. L. Sigretto, Woodhaven; sewage disposal plant, to A. Ottabino, Croton. Engrs. est. $70,000 and $15,000 respectively. Noted May 4.

N. J., Butler—Boro Council, sewers to Abbott & Cestone, Montclair, $50,334; disposal plant, to Gray Constr. Co., Franklin St., Morristown, $46,380. Noted May 4.

W. Va., Clarksburg—See "Streets and Roads."

O., Cleveland—Sewers in East 142nd St., Benwood and Gay Aves., to Salem & George Bros., Bradley Court, $27,942; Ansell Rd. and East 118th St., to W. McDowell & Son, 10309 Miles Ave., $2,980; Signet Ave., to M. A. Yahya 591 Bway., $4,292; Methyl Ave., to Carroccio & Gaudio, 14109 Benwood Ave., $4,750. Noted June 1.

Mich., Detroit—To Brandon & Hanna, 1624 Dime Bank Bldg., Sects. 1 and 2, Wyoming Ave. Sewer, in Lonyo Rd., Warren and Wyoming Aves., $304,828; Booth & Flinn, Brush and Frederick Aves., Sect. 3. Clark Ave. Sewer, $512,060; J. L. Westover, Detroit, Lateral Sewer 3520, $4,112; Judd Co., 2287 12th St., Lateral 3591, $8,402; Western Constr. Co., 1208 Ford Bldg., Lateral 3602, $6,135, Lateral 3649, $5,637; Lennane & McIlvenna, 1205 Book Bldg., Lateral 3603, $5,900, Lateral 3604, $5,900, Lateral 3644, $6,800; Langley & Barton, 1608 Pennsylvania Ave., Lateral 3605, $13,552; J. F. Gentile, 920 Rowena Ave., Lateral 3643, $8,845; Liberty Constr. Co., 917 Detroit Savings Bank Bldg., Lateral 3645, $8,260; Hammen & Co., Mankato, Minn., Lateral 3646, $11,045, Lateral 3647, $12,000; A. Rossi, 5307 Pennsylvania Ave., Lateral 3648, $600. Noted May 25.

Mich., Lincoln Park (Wyandotte P. O.)—Sect. 1, vitr. crock, brick and concrete trunk sewer, to Callahan & Grosse, $60,000.

Wis., La Crosse—Trunk sewer and laterals in 16th and State Sts., to O. Swennes, 414 North 14th St., $56,559 and $13,152 respectively. Noted May 4.

Ia., Mt. Pleasant—For 23,600 lin.ft. sewers, to Sorenson Drainage Co., Slayton, Minn., $11,009, and Dearborn Constr. Co., Waterloo, $11,838. Noted May 18.

Neb., College View—C. E. Barron, clk., constructing main sanitary sewers, to A. A. Dobson Co., 809-10 Natl. Bank Bldg., Lincoln, 8 in. vitr. clay pipe, at $0.70, 10 in. $0.86 and 12 in. $0.96, etc., total $69,200. Engrs. est. $90,000. Noted May 11.

Tex., Pampa—See "Waterworks."

Okla., Henryetta—Sanitary sewer mains, to I. E. Hanson, Ada, $26,700; furnishing segment sewer blocks, to Park & Moran, Okmulgee, $72,000; sewage disposal plant, to Merkle Mchy. and Constr. Co., 1733 Walnut St., Kansas City, Mo., $41,900. Noted May 4, under Waterworks.

N. B., Campbellton—Will lay 5,000 ft. of 9-in. sewer in Arran St., also 6, 10 and 16 in. water mains in same trench, by day labor. $55,000. Noted May 18.

Waste Disposal

PROPOSED WORK

N. J., Trenton—City Comn. plans 2 story, 50 x 50 ft., brick and steel addition to crematory, Southard St. $75,000. A. C. Gregory, City Hall, engr.

Bridges

PROPOSED WORK

N. Y., La Salle—Niagara Twp. plans rein.-con., steel girder bridge, 100 ft. span, 32 ft. roadway, on River Rd. $25,000. F. Hermas, Albany, engr.

N. Y., Lockport—Niagara Co. plans improving highway sluices, culverts and bridges. $36,568. T. Brennan, supt.

N. Y., Newark—New York State, Albany, and New York Central R.R., Grand Central Terminal, New York, plan 6 track bridge, over Route 20, east of here. To exceed $25,000. W. Acheson, Newark, div. highway engr.

N. Y., Niagara Falls—Niagara Falls International Bridge Co. of New York, Niagara Falls, N. Y. and Niagara Falls Extension Bridge Co. of Canada, Niagara Falls, Ont., Canada, making plans widening bridge to make room for 2 new additional tracks, over Niagara River, connecting American and Canadian sides. C. E. Fowler, 25 Church St., New York, engr.

Alabama—State Hy. Dept., Montgomery, having plans prepared 15 concrete bridges, two 100 ft. arches, remainder deck girder type, on Guin-Winfield Rd., Marion Co.; two 80 ft. steel spans, remainder concrete deck girders on concrete piers and bents, on Montgomery-Tuskegee Rd. W. S. Keller, state highway engr.

O., Warren—Town, State of Ohio, Columbus, and Trumbull Co., plan 72 ft. concrete arch bridge, 26 ft., on Youngstown-Conneaut Rd., over hollow north of Hoffman Farm. $25,000. R. G. Taylor, Warren, engr.

Wis., New London—Making plans 200 ft. steel girder type bridge, 20 ft. roadway, earth approach and fill. $25,000. H. R. Albert, Court House, Green Bay, engr.

Ia., Sioux City—Sioux City, Woodbury Co, (Ia.) and Union Co. (S. D.), making plans 300 ft. concrete bridge over Big Sioux River at North Riverside, two 25 ft. approaches, 30 ft. roadway and 6 ft. sidewalks, $50,000. Bridge Engr. of State Highway Comn., Pierre, S. D., and Eng. Dept., Sioux City, engrs.

Missouri—State Hy. Dept., Jefferson City, plans one 24 ft. rein.-con. deck girder, one 60 ft. steel truss and seventeen 10 ft. rein.-con. slab spans, on Federal Aid Project 101 B, Madison Co. A. Graham, state highway engr.

Tex., Ballinger—Runnels Co. making plans 500 ft. bridge, 180 ft. steel truss, concrete piers and approaches, over Colorado River on Highway 30. $45,000. W. Stephens, co. engr.

Tex., Burkburnett—High School—Voted $150,000 bond issue for new high school. Address Supt. of Schools, Independent School Dist.

Tex., Wichita Falls—Wichita Co. plans steel span bridge over Red River on State Highway 2. $27,000. J. M. Isbell, co. engr.

BIDS DESIRED

New Jersey—June 22, by State Hy. Dept., Trenton, constructing bridge M. P. 25.7 over north branch of Raritan River, Route 16, in municipalities of Bernard and Bedminster, Somerset Co. C. A. Mead, 790 Broad St., Newark, bridge engr.; adv. this issue.

North Carolina—June 28, by State Hy. Comn., Raleigh, constructing rein.-con. bridges and culverts on State Project 145, Hertford Co., 795 cu.yd. concrete, 71,000 lb. reinforcing, 120,000 lb. structural steel, 225 sq.yd. asphaltic wearing surface, etc., $30,000; on State Project 800, Avery Co., 1,074 cu.yd. concrete, 125,000 lb. reinforcing, etc., $31,000. C. M. Upham, state highway engr.

North Carolina—June 28, by State Hy. Comn., Raleigh, rein.-con. bridges and culverts on State Project 383, Robeson Co., 613 cu.yd. concrete, 116,200 lb. reinforcing, 3,060 lb. plates and bolts, 2,000 ft. pre-cast concrete piles, etc. $27,000. C. M. Upham, state highway engr.

Ga., Hartwell—June 12, by State Hy. Dept., c/o Bd. Comrs. Hart Co., 3 bridges located between here and Royston on Hartwell-Royston Rd., Federal Aid Project 231, incl., 448 cu.yd. concrete, 47,626 lb. steel, 304 sq.yd. concrete paving, etc. State Highway Dept., to furnish cement f.o.b. cars nearest railroad station.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids May 31, bridge on Sect. "D" Eaton-Hamilton Rd., Preble Co., from Stayton Bros., Eldorado, $31,510, Swingle & Robinson, Columbus, $32,714, F. K. Vaughn Building Co., Hamilton, $32,830; steel superstructure on Sect. "D" Eaton-Hamilton Rd., from Stayton Bros., Eldorado, $15,976, F. K. Vaughn Building Co., Hamilton, $16,143, Swingle & Robinson, Columbus, $16,251. Noted May 18 under "Streets and Roads."

O., Bridgeport—June 15, new steel span, concrete floor, new steel bent, replacing old materials with new, new creosote block floor, new concrete abutment and retaining walls and raising both approaches of bridge over tracks of Baltimore & Ohio Ry. $25,000. J. J. Diehl, Bridgeport, engr.

Ia., Newton—June 15, Auditor Jasper Co., three 20 x 80 ft. through plate girder spans with six I-beam approach spans, and one 20 x 80 ft. through plate girder. R. McMurray, co. engr.

Ia., Rock Rapids—June 15, Auditor Lyon Co., bridges and culverts on Primary Bridge Project 179, also 21 culverts on Secondary Road System. C. J. Nelson, co. engr.

Minn., Duluth—June 22, by F. W. Borgen, and St. Louis Co., 365 ft. T beam span bridge, 20 ft. wide, concrete deck and steel bents, 372 cu.yd. concrete, 274,000 lb. reinforcing. $30,000. R. W. Acton, co. engr.

Ont., St. Thomas—June 15, by J. Bell, engr., Court House, concrete and steel bridge, 304 ft. long, over Stalter Gully. $125,000. Noted May 4.

BIDS RECEIVED

Conn., Kent—C. J. Bennett, state highway comr., Hartford, bridge over Housatonic River, 600 cu.yd. stone concrete, 1,000 lb. steel bars, 300 cu.yd. wet excav., etc., from C. W. Blakeslee, & Sons, Inc., 58 Waverly St., New Haven, $13,830; Osborne & Barnes, Odd Fellows Bldg., Danbury, $15,350; United Contg. Co., 134 Springdale Ave., Meriden, $19,030. Noted June 1.

North Carolina—State Hy. Dept., Raleigh, constructing rein.-con. bridges and culverts on (1) State Project 888, Yancey Co., (2) State Project 614, Cabarrus Co., (3) State Project 316, Brunswick Co., (4) State Project 364 B, Onslow Co., (5) State Project 502, Alamance Co., from R. S. Freeman, 800 North 3rd Ave., Knoxville, Tenn., (1) $42,934; C. C. McCabe, Tuxedo, (1) $44,832; Booz-Loyd Co., Marion, (1) $50,180; Olliver & Costello Bros., Knoxville, Tenn., (2) $37,714; Batson-Cook Co., West Point, Ga., (2) $41,204, (3) $25,131; J. A. Peterson, Montgomery, Ala., (2) $41,811; Hagedorn Constr. Co., Thomasville, (3) $28,603; Porter & Boyd, Realty Bldg., Charlotte, (3) $31,524, (4) $50,629; A. W. McClay, Richmond, Va., (4) $40,343; Austin Bros. Bridge Co., Hurt Bldg., Atlanta, Ga., (4) $49,749; Hanford Bros., Burlington, (5) $62,079; R. M. Thurmond, Lynchburg, Va., (5) $65,041; Atlantic Bridge Co., Roanoke, Va., (5) $67,304. Noted May 4 and 11.

Wash., Seattle—Bd. Pub. Wks., substructure of double leaf bascule bridge, incl.

Bridges (Continued)
two 140 ft. approach spans, over West Waterway, West Spokane St., from J. A. McEachern Co., Colman Blk., $264,497; A. W. Quist & Co., Hoge Bldg., $273,563; Puget Sound Bridge and Dredging Co., Central Bldg., $274,815. Noted May 11.

CONTRACTS AWARDED

Mass., Athol—Comrs. Worcester Co., seam faced granite, rein.-con. arch, one 107 ft. clear span, cyclopean concrete foundation, to T. F. McGovern, 95 Main St., Southbridge, $58,400. Engrs. est. $58,400. Noted May 18.

Pa., Phila.—Delaware River Bridge Joint Comn., Room 806, Widener Bldg., first section of Phila. and Camden anchorages of bridge over Delaware River between here and Camden, N. J., Contrs. 4 and 5, Form B, to Keystone State Constr. Co., 210 South 13th St., and Holbrook, Cabot & Rollins Corp., 6 Beacon St., Boston, $876,512.50 and $1,102,602.50 respectively. Unit prices in next issue. Noted May 4.

Pa., Washington—Baltimore & Ohio R.R., B. & O. Sta., Pittsburgh, 3 plate girder spans, over East Maiden St., incl. 90 tons steel to Seaboard Constr. Co., Real Estate Trust Bldg., Phila.

North Carolina—State Hy. Dept., Raleigh, rein.-con. bridges and culverts on State Project 990, Transylvania Co., to R. C. Stevens, Asheville, $44,227. Noted May 11.

Fla., West Palm Beach — Bd. Comrs. Palm Beach Co., reconstructing and completing rein.-con. and steel bridge over Lake Worth, to C. E. Hillyer Co., 117 West Forsythe St., Jacksonville, $294,410. Noted June 1.

Ohio—Dept. Highways and Pub. Wks., Columbus, bridges on Sects. "K-2" and "M" Marietta-Caldwell Rd., Washington Co., to E. L. Paul, Zanesville, $23,091 and $19,073 respectively; constructing and repairing culverts and bridges, in Ross Co., to Friel & McCulla, Bourneville, $21,786. Noted May 25.

Wis., Green Bay—For 820 ft. bridge on Main and Dousman Sts., (a) creosoted block throughout entire length, (b) creosoted block on bascule section and asphalt on remainder, from Green Constr. Co., 154 North Pearl St., (a) $475,045, (b) $472,645; G. E. Kahn Co., 114 Grand Ave., Milwaukee, (a) $492,800, (b) $490,000; Greiling Bros., East Walnut St., (a) $498,774, (b) $496,774. Contract awarded to lowest bidder. Noted May 11.

Ia., Decorah—See "Streets and Roads."

Wash., Raymond — State Hy. Dept., Olympia, steel and concrete bridge, near here, 1,100 cu.yd. concrete, 61,000 lb. reinforcing and 504,500 lb. structural steel, etc., to Penn Bridge Co., Beaver Falls, Pa., $143,814. Noted May 4.

Ont., London—J. M. Moore, engr., 489 Richmond St., 290 ft. concrete and steel bridge, University Ave., to J. Putherbough, 1006 Wellington St., for Western University Bd., $131,500. Noted May 25.

Dams

PROPOSED WORK

N. H., Concord—See "Industrial Work."

Wash., Walla Walla—See "Waterworks."

Conn., Southington—Raising earth dam at Crystal Lake, to Sperry Eng. Co., 82 Church St., New Haven. Engrs. est. $25,000. Noted May 4.

Railways

PROPOSED WORK

Mexico—Foundation Co., Tampico, plans 500 mi. railroad in state of Vera Cruz.

CONTRACTS AWARDED

Minnesota—Electric Short Line Ry., 7th St. and 3rd Ave., N., Minneapolis, grading 16 mi. road from Hutchinson westward (preparatory to laying rails), to T. F. Frederick, Globe Bldg., Minneapolis, $50,000.

Montana — See "Miscellaneous" under Plateau.

Excavation and Dredging

PROPOSED WORK

Fla., Miami—Arch Creek D. D. plans digging main canal east from Biscaynee Bay opening up Big Arch Creek, south to Little Arch Creek, west to Tuttle ditch, northwest to pass north of Hialeach and on to Miami Canal. First section will be 4 mi., cost $50,000. Engineer not announced.

Tex., Clarksville—Red River Co. election June 17 to vote on $400,000 bond issue for improvements in Levee Impvt. Dist. 3. P. Y. Creager, co. engr.

Cal., Grenada—Dirs. Grenada Irrigation Dist., reject bids opened May 24, constructing drainage ditches, corrugated iron culvert and timber bridge. Work will be done by day labor. Noted May 18.

BIDS DESIRED

N. C., New Bern—July 8, Bd. Drainage Comrs., drainage improvements in Beaufort Co. D. D. 10, Beaufort and Craven Counties. B. M. Potter, New Bern, engr.; adv. this issue.

Minn., Elk River — June 12, by C. S. Wheaton, Jr., aud. Sherburne Co., Ditch 28, 11,508 cu.yd. excav., 71,578 lin.ft. 6-24 in. tile, catch basins, headwalls, corrugated metal pipe and concrete tile. $25,000.

CONTRACTS AWARDED

Mich., Houghton—Bd. Educ., excavation work for 2 story, rein.-con., brick and steel high school, plain foundation, to H. Gundlach, Leopold Bldg. Archts. total est. $400,000. Noted April 6 under "Buildings."

Ia., Bloomfield—Davis Co. 11 mi. channel Fox River D. D. 3, 411,851 cu.yd. excav., and 13.5 mi. channel Wyaconda D. D. 1, 332,800 cu.yd. excav. to J. Omera & Son, Sac City, $0.09 per cu.yd.; 7 mi. channel Fabius D. D. 1, 168,000 cu.yd. excav., to J. W. Cole, c/o W. L. Cree, co. aud. Beardstown, Ill., $0.09 per cu.yd. Noted April 20.

Minn., Crookston—Polk Co., repairing Co. Ditch 48, 112,947 cu.yd. excav., 1,207 lin.ft. road leveling, etc., to J. C. Parker, Bemidji, $11,364, engrs. est. $19,942; Co. Ditch 146, 46,300 lin.ft. 5-18 in. tile, to Crookston Tile & Brick Co., Crookston, $4,570, tile labor, to N. H. Nelson, Sanborn, Ia., $3,899, engrs. est. $10,922. Noted May 4.

Cal., Grenada—Dirs. Grenada Irrigation Dist., constructing Grana Ditch, 350 cu.yd. earth, and main ditch, 1,100 cu.yd. earth, to G. Milne, Ft. Jones, $1 and $2 respectively; metal flume with timber bents on main canal, to M. Stuart, Montague, $3,760; alternative on constructing drainage ditches, 92,380 cu.yd. excav., to D. MacDonald, Box 170, Sacramento, $0.20 per cu.yd. Noted May 18.

Streets and Roads

PROPOSED WORK

Mass., Brockton—Plans new paving and highway work. $500,000. Dept. Pub. Wks., City Hall, engrs.

N. Y., Mt. Morris—Plans laying underground light and phone wires and paving Main and Chapel Sts., vitr. brick. $78,000. Engineer not selected.

N. Y., Niagara Falls—Plans to improve Main St., repaving with brick on concrete, $142,000; sewers $8,000; light system $4,000; police call system, $1,000; water mains $5,000. W. B. Bennett Convention Hall, engr.

N. Y., Niagara Falls—Plans paving 1,437 ft. South Ave. and 17th St. between Pine and Walnut Sts., $35,225; 1,699 ft. 17th St. from Niagara to Walnut Sts., $46,850; 1,254 ft. 24th St. between Pine and Ferry Aves., $33,870; 1,618 ft. Harrison and Whitney Aves., $37,025, granite, wood block, asphalt or brick. Estimates based on granite or wood block. W. B. Bennett, Convention Hall, engr.

N. Y., Rochester—Plans paving approach to West Bridge, and Centennial St., asphalt. $150,000. C. A. Poole, City Bldg., engr.

N. Y., Syracuse—Bd. Contract & Supply rejected bids resurfacing Burnet Ave., asphalt. Will readvertise. Noted May 18.

N. J., Jersey City—Boulevard Comn. plans improving 1½ mi. Hudson Blvd. from Linden Ave., here, to 38th St., Bayonne, incl. asphalt paving on concrete, constructing islands and installing electric lighting system. $290,000. F. J. Radigan, Court House, engr.

N. J. Mt. Holly—Bd. Freeholders Burlington Co. plans paving road between Bridgeboro and Riverside, asphalt. $50,000. E. H. Wills, Mt. Holly, engr.

W. Va., Huntington — Having surveys made paving with vitr. brick Long Branch, Seven Mile and Barboursville-Salt Rock Rds. $368,000. J. N. Doyle, city engr.

N. C., Greensboro—City Council passed ordinance issuing $300,000 bonds for constructing and reconstructing various streets. W. L. Murray, clk.

N. C., Troy—Plans paving principal streets, concrete or some type of asphalt. $50,000. C. C. Broughton, mayor.

N. C., Wilmington—Plans to resurface Market and 3rd Sts., concrete or asphalt. $30,000.

Ga., Forsyth—J. A. Tribble, mayor, takes bids about June 21, paving Jackson St. from Chambers to Johnson Sts., Johnson St. from Kimball to Depot Sts., Main St. from Phelps to Kimball Sts., incl. 6 mi. brick, concrete or tile sidewalks, 15,000 sq. yd. concrete. $75,000. J. B. McCrary Co., Citizens and Southern Bank Bldg., Atlanta, engrs.

Fla., Crawfordsville—Wakulla Co. voted $150,000 bonds clearing, grading and paving with rock and surface treating, 20 mi. highway from Wakulla to McIntyre; $50,000 bonds clearing, grading and paving with clay and rock 14 mi. from Leon Co. line to Crawfordville and Arron; $25,000 bonds, 8 mi. from Medart to Panama Springs; $25,000 bonds 6 mi. from Sopshoppy to Sanborns Ferry.

Fla., Deland—Had plans prepared paving 10 mi. various streets. Election soon to vote on $350,000 bonds. J. B. McCrary Co., 3rd Natl. Bank Bldg., Atlanta, Ga., engrs.

Fla., Green Cove Springs—Rejected bids improving various streets. J. B. McCrary Co., 3rd Natl. Bank Bldg., Atlanta, Ga., engrs. Noted May 4.

Fla., Miami—Dade Co. plans election to vote on $961,415 bonds to macadamize or hard surface various roads. H. Crabtree, co. engr.

Fla., Quincy—J. B. McCrary Co., engrs., 3rd Natl. Bank Bldg., Atlanta, Ga., take bids in about 17 days paving King St. from Jackson to 14th Sts., Washington St. from Stewart to 10th Sts., Jefferson St. from Key to Roberts Sts., Duval to Love Sts., Love St. from Jefferson to King Sts., Key St. from Jefferson to King Sts., 14th St. from Washington to King Sts. and Robert St. from Washington to S. A. L. Depot, total length 5 mi. $99,000. Noted May 11.

Fla., Titusville—Brevard Co. to vote on $120,000 bonds, June 22, constructing 5 mi. Melbourne-Kissimmee Highway from west line Brevar Co. to Melbourne. T. N. Froscher, clk.

Fla., West Palm Beach—Palm Beach Co. voted $50,000 bonds paving with macadam, oil surface, 6.5 mi. Jupiter Island North Blvd., in Jupiter Special Rd. Dist.; voted bonds paving with rock, oil surface, 3 mi. road from Jupiter to Atlantic Blvd. and along Taxahatchee, Special Jupiter Rd. Dist. R. F. Goodman, West Palm Beach, engr.

Fla., West Palm Beach—Palm Beach Co. to vote on $36,000 bonds June 15 hard surfacing with marl or shell, 9 mi. road from St. Lucie and Jupiter Co. Sand Rd. northwest to west line of Palm Beach Co.; $25,000 bonds 6 mi. road from Stuart-Annie Rd. to southern line of Sect. 7, Twp. 39, R 41 E, and from Dixie Highway south to County Rd.; $30,000 bonds 7.5 mi. road from Port Salerno to east end St. Lucie Canal and from Dixie Highway and 2nd Ave. in Port Salerno to north line of Gomez Grant; $25,000 bonds 6 mi. road from St. Lucie Canal near Lock to intersection of Jupiter Co. Sand Rd. in Sect. 4, Twp. 40, R 39 E. R. F. Goodman, West Palm Beach, engr.

Fla., Winter Garden — Voted $25,000 bonds paving various streets. R. B. Haddon, mayor.

Alabama—State Hy. Dept., Montgomery, plans grading and surfacing with clay-gravel 13.96 mi. Opelika-Dadeville Rd. from Opelika to Tallapoosa Co. Line, 24 ft. grading, 18 ft. surfacing, Lee Co. W. S. Keller, state highway engr.

Tenn., Nashville—Passed resolution paving 8½ mi. streets, granite block, asphalt on macadam, and bituminous macadam. W. W. Southgate, city engr.

Ky., Henderson—Plans paving 12 blocks 2nd St. W. Hopkins, city engr.

Ohio—Dept. Highways and Pub. Wks., Columbus, rejected bids opened May 19, grading, bridging and paving 6.558 mi. Sect. "H" Lima-Wapakoneta Rd., and 5.305 mi. Sect. "G" Sidney-Wapakoneta Rd. Noted May 25.

Ohio—Dept. Highways & Pub. Wks., Columbus, rejected bids opened May 19, grading, bridging and paving 2.915 mi. Sect. "D" Minerva-Sandyville Rd., Carroll Co. Noted May 25.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled bids opened May 31, grading, bridging and paving 2.342 mi. Sect. "F-1" Youngstown-Lisbon Rd., Columbia Co.; 0.63 mi. Sect. "New Comerstown" Uhrichsville-New Comerstown Rd., Tuscarawas Co. Noted May 18.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled bids which were opened May 31, grading, bridging and paving roads in following counties:

Columbiana Co., Sect. "F-1" Youngstown-Lisbon Rd., 2.324 mi., brick or bituminous macadam.

Morgan Co., Sect. "C" McConnelsville-Zonesville Rd., 1.8 mi., rein.-con.

Morrow Co., Sec. "J" Marion-Galion Rd., 2.233 mi., bituminous macadam either limestone or sandstone base.

Putnam Co., Sect. "N" Lima-Ottawa Rd., 2.718 mi., Kentucky rock asphalt or rein.-con.

Putnam Co., Sect. "O" Lima-Ottawa Rd., 0.58 mi. Kentucky rock asphalt or rein.-con.

Tuscawaras Co., Sect. "Newcomerstown" Uhrichsville-Newcomerstown Rd., 0.63 mi.,

Streets and Roads (Continued)

brick, asphaltic concrete or Kentucky rock asphalt. Noted May 18.

Michigan—State Hy. Dept., Lansing, soon takes bids grading and surfacing 4½ mi. State Trunk Line Rd. 19-13, Macomb Co., asphalt, concrete or bituminous concrete.

Mich., Detroit—Plans grading, shaping and paving with 3½ in. sheet asphalt on 8 in. concrete, Cherrylawn Ave., $19,850, Cicotte Ave., $45,430, Horatio St., $17,420, Parkwood Ave., $32,500, Cortland Ave., $13,880, Lakewood Ave., $22,660, Northlawn Ave., $31,660, Cloverlawn Ave., $33,920, Waverly St., $10,690, Burke St., $16,700, Worchester Ave., $21,150, Burlingame Ave., $34,010, Duncan Ave., $6,620, Fairview Ave., $14,760, Otsego Ave., $11,790, Herbert St., $23,060, Taylor Ave., $14,430, Mandalay Ave., $17,820, Glynn Court, $31,050, Fairfield Ave., $15,370, Tuxedo Ave., $34,270, Wanda Ave., $31,900, Monterey Ave., $34,920, LeMay Ave., $19,980, Highland Ave., $12,900, Leslie Ave., $15,708, Cortland Ave., $13,510, Sturtevant Ave., $16,980, Edgewood Ave., $6,255, Baylis Ave., $35,620, Boston Ave., $35,900, Jameson Ave., $7,140, Woodward Ave., $157,520, Seebaldt Ave., $5,930, McGregor Ave., $5,350, Canfield Ave., $7,500. J. W. Reid, city engr.

Wis., Antigo—Making plans paving 0.9 mi. 5th Ave. and various streets, 20,000 sq.yd. vitr. brick, asphalt, concrete or bituminous concrete, 2,000 lin.ft. combined concrete curb and gutter. $25,000. J. Donohue Eng. Co., 628 North 8th St., Sheboygan, engrs.

Minn., Ivanhoe—Lincoln Co. rejected bids opened April 28, for Job 2202, 66,000 cu.yd. excav., etc. A. L. Swanson, aud. Noted April 20.

Minn., St. Cloud—Plans paving 2 mi. various streets. $80,000. M. B. Lang, city engr.

Kan., Ft. Scott—Passed resolutions paving 8th St. from Eddy to Horton Sts., Caldwell St. from Wall to Oak Sts., 2nd St. from Margrave to Barbee Sts., vertical fibre brick, asphalt filler; Lowman St. from 2nd to 6th St., brick. O. R. Welch, Ft Scott, engr.

Missouri—State Hy. Dept., Jefferson City, plans 16.391 mi. road from Farmington to Frederickstown and Greenville, Federal Aid Project 101 B, Madison Co., 141,597 cu.yd. earth and 5,856 cu.yd. rock excav., 15,547 cu.yd. borrow, 1,820.8 cu.yd. concrete masonry, 116,442 sq.yd. gravel pavement, etc. A. Graham, state highway engr.

Missouri—State Hy. Dept. at div. office Fulton, rejected bids opened May 2, 15.756 mi. Natl. Old Trails Rd., Federal Aid Project 144, Callaway Co. Noted May 25.

Tex., Anson—Jones Co. election June 24 to vote on $400,000 bonds issue constructing roads in Lueders, Avoca and Stamford, comprising practically all of Commissioners Precinct 2. H. D. Wade, c/o Chamber of Commerce, Stamford, secy.

Tex., Bonham—Fannin Co. making plans grading and surfacing 18.35 mi. State Highway 38 north and south through Honey Grove, surfacing 12.25 mi. with asphalt macadam on local stone and 6.1 mi. with sand clay, $286,200; 7.43 mi. State Highway 5 east and west through Honey Grove, concrete, $256,000. A. J. Goode, co. engr.

Tex., Daingerfield—Morris Co. having plans prepared grading and gravel surfacing 2.81 mi. State Highway 1 from Naples to county line, incl., 10,000 cu.yd. borrow, 8,000 cu.yd. roadway excav., 150 cu.yd. concrete, 21,100 lb. reinforcing, 5,620 cu.yd. gravel. $27,624. J. V. Curnutte, Simms, engr.

Tex., Decatur—Wise Co. had plans prepared grading, clay surfacing and bridging 20.7 mi. State Highway 2 from here to Montague Co. line, incl., 1,840 cu.yd. concrete, 140,989 lb. reinforcing and 49,700 lb. structural steel, 14,420 cu.yd. clay. $67,000. L. W. Taylor, co engr.

Tex., Decatur—Wise Co. making plans grading, clay surfacing and bridging 20.7 mi. State Highway 2, from here to Montague Co. line, incl., 1,840 cu.yd. concrete, 21,032 cu.yd. unclassified and 1,506 cu.yd. wet structural excav., 140,989 lb. reinforcing and 49,700 lb. structural steel, 14,420 cu.yd. clay, $67,000; 19.63 mi. State Highway 2 between here and Tarrant Co., 10,993 cu.yd. borrow, 11,122 cu.yd. yd. roadway excav., 64 cu.yd. concrete, 21,910 cu.yd. crushed rock, 2,864 cu.yd. gravel surfacing, 4,536 lb. reinforcing, $57,600. L. W. Taylor, co. engr.

Tex., Gonzales—Gonzales Co. making plans grading, gravel, surfacing, etc., 9.27 mi. State Highway 29, incl., 11,340 cu.yd. borrow, 62,088 cu.yd. roadway, 510 cu.yd. concrete, 20,408 cu.yd. gravel surfacing, 40,864 lb. reinforcing. $64,095. C. F. Tom, co. engr.

Tex. Henrietta—Clay Co. voted $106,000 bonds for road construction, incl. State Highway 2 from here northwest. R. Lofton, co. judge.

Tex., McKinney—Collin Co. had plans prepared and soon takes bids, grading and surfacing 10.2 mi. State Highway 5 A in Farmersville Rd. Dist. incl. 13,850 cu.yd. channel, 75,062 cu.yd. borrow and 30,956 cu.yd. roadway excav., 1,250 cu.yd. concrete, 135,000 lb. reinforcing, 13,277 cu.yd. shipped gravel, 12,258 cu.yd. local rock base, $151,885; 12.4 mi. State Highway 5 A in Blue Ridge Rd. Dist., 86,014 cu.yd. borrow, 48,043 cu.yd. roadway, 404 cu.yd. concrete, 29,282 lb. reinforcing, etc., $182,275. F. W. Cawthon, co. engr.

Tex., Orange—Orange Co. soon, receives bids 8½ mi. concrete and 30 mi. shell and gravel highways. $700,000 bonds sold. J. E. Johnson, co. engr.

Tex., Sherman—Will sell $50,000 bonds June 12, paving and improving various streets. O. J. S. Ellingson, city mgr. and engr.

Tex., Texarkana—Voted $250,000 bonds paving various streets. O. Yenglin, city engr.

Ariz., Prescott—Yavapai Co. authorized $1,500,000 bonds to improve and construct roads.

Cal., Bakersfield—Takes bids about June 15, paving 7,200 lin.ft. streets in Dist. 445, 129,600 sq.ft. 8 in. oil macadam. $30,000. W. D. Clarke, Bakersfield, engr. Noted May 4.

Cal., Bakersfield—Takes bids about July 1, improving streets in St. Impvt. Dist. 77, 46,060 sq.ft. concrete walks, 10,977 lin.ft. 14 in. and 1,188 lin.ft. 10 in. concrete curbs, 44,023 sq.ft. concrete gutter and 512,763 sq.ft. 1½ in. warrenite on 3½ in. asphaltic concrete. $155,000. W. D. Clarke, city engr.

Cal., Fairfax—Having plans prepared paving various streets. $30,000. J. C. Oglesby, Cheeda Blk., San Rafael, engr.

Cal., Larkspur—Had plans prepared grading and paving about 5 blocks, 16,324 sq.ft. 4 in. concrete pavement and 1,150 cu.yd. grading. J. C. Oglesby, Cheeda Blk., San Rafael, engr.

Cal., Modesto—Stanislaus Co. plans constructing concrete highway from Westley north of Stanislaus-San Joaquin boundary and from Newman to Hills Ferry. J. H. Hoskins, co. surv.

Cal., Modesto—Takes bids about June 15, improving Kimble St. between Downey and Lucern Aves., 97,984 sq.ft. grading, 90,273 sq.ft. paving, 7,687 sq.ft. gutter, 5,037 lin.ft. curb, etc. $28,829. G. Freitas, city engr.

Cal., Oakdale—Had plans prepared improving various streets, 175,000 sq.ft. 1½ warrenite on 3½ bituminous, 72,255 sq.ft. grading and rolling, 5,020 sq.ft. concrete walks, etc. G. D. Macomber, city engr.

Cal., Turlock—Having plans prepared improving 3 blocks North Bway. and 8 blocks High St. H. Hall, Turlock, engr.

Cal., Richmond—Had plans prepared improving 29th St. between Cutting Blvd. and Potrero Ave., 972 cu.yd. excav., 234 cu.yd. fill, 30,630 sq.ft. asphaltic concrete pavement, 8,324 sq.ft. sidewalks, 2,277 sq.ft. gutters, 2,322 lin.ft. curb, etc. Former contract rescinded. H. D. Chapman, city engr. Noted May 11.

Que., Montreal—Plans paving 1,687 ft. Clarke St. from Bagg to Marie Anne Sts., 50 ft., $29,727, 365 ft. Hudon St. from Dezery St. to city limits, 50 ft., $5,698, both asphalt. E. Blanchard, rd. engr.

Ont., Sandwich—Essex Co. having plans prepared and takes bids end of June, concrete highways. $80,000. Prices wanted on all materials. J. J. Newman, Davis Blk., Windsor, engr.

BIDS DESIRED

N. Y. Brooklyn—June 14, by E. Riegelmann, boro pres., Boro Hall, resurfacing Canarsie Lane from Glenwood Rd. to point 275 ft. east of Rockaway Ave., Gravesend Neck Rd. from Van Sicklen St. to Ocean Ave., Ave. U from 86th St. to Ocean Ave., all bituminous macadam.

N. Y., Brooklyn—June 15, by Dept. Parks, Municipal Bldg., New York, improving South Lake Dr., Prospect Park, between Ocean Ave. and Park Circle entrances, etc. $30,000.

N. Y., Brooklyn—June 16, by E. Riegelmann, boro pres., Boro Hall, curbing and paving Coney Island Ave. from Ave. U. to Neptune Ave., preliminary concrete.

N. Y., East Rochester—June 20, paving Lincoln Rd., $28,764; East Elm St., $34,548; East Ave., $44,330. R. E. Gaskin & Co., 207 Cutler Bldg., Rochester, engrs. Noted April 20.

N. Y., St. George—June 14, by M. J. Cahill, pres. Richmond Boro, Boro Hall, repaving roadway of Bradley Ave. from Richmond Turnpike to Brielle Ave., concrete.

N. Y., St. George—June 15, by M. J. Cahill, pres. Richmond Boro, Boro Hall, grading and paving roadway of Brighton Ave. from Castleton Ave. to point 627 ft. southerly and Silver Lake Rd. from Havenwood Rd. to Brighton Ave., bituminous macadam.

New Jersey—June 28, by State Hy. Dept., Trenton, paving State Highway Route 4, 8th Ave. and Deal Lake Dr., Asbury Park, and State Highway Route 7, Corlies Ave., Neptune Twp., Monmouth Co. A. W. Muir, 517 Broad St. Bank Bldg., Trenton, supt. of maintenance; adv. this issue.

N. J., Belvidere—June 21, by Warren Co. constructing State Highway Route 9, Sect. 9 from Phillipsburg to Still Valley, reinforced cement concrete. H. W. Vetter, co. engr.; adv. this issue.

Pennsylvania—June 27, by State Hy. Dept., Harrisburg, reconstructing highways in following counties: Armstrong, Bradford, Butler, Cambria, Clarion, Crawford, Indiana, Jefferson, Lackawanna, Luzerne, McKean, Northumberland, Montour and Susquehanna, also one rein.-con. bridge in Cumberland and York Counties. G. H. Biles, asst. highway comr.; adv. this issue.

Pennsylvania—June 28, by State Hy. Dept., Harrisburg, reconstructing highways in following counties: Bradford, Cambria, Clarion, Clearfield, Erie, Indiana, Lackawanna, Lawrence, Susquehanna and Westmoreland, also girder bridge in Cumberland Co. G. H. Biles, asst. highway comr.; adv. this issue.

Pa., Bangor—June 19, by W. J. Sleeman, boro secy., paving Bway., Market, Main and 1st Sts., also 1,057 ft. 24, 30 and 36 in. storm sewers; adv. this issue.

Pa., Hooversville—June 22, paving 2,000 ft. Main, Water and Railroad Sts., concrete, brick or asphaltum on concrete, also 1,313 ft. 18 in., 928 ft. 12 in., and 292 ft. 10 in. sewer in above streets. G. A. Wheeling, Rockwood, engr.

Pa., Mt. Lebanon—June 12, by F. W. Cooke, clk., paving Vernon Dr., Martha and Kenmont Aves., 6,060 sq.yd. vitr. brick, 5,090 lin.ft. concrete curbing, 4,200 cu.yd. grading, etc. also Washington Park Sewerage System, incl. 3,950 lin.ft. 8 and 10 in. terra cotta pipe. Exceeds $25,000. Douglass & McKnight, 710 Columbia Bank Bldg., Pittsburgh, engrs.

Pa., Verona—June 26, by S. P. Grundy, secy. Boro. Council, 5,800 sq.yd. brick pavement, 27,000 cu.yd. grading, 3,500 lin.ft. concrete curb, etc. Douglass & McKnight, 710 Columbia Bank Bldg., Pittsburgh, engrs.

W. Va., Harrisville—June 20, by Comrs. Ritchie Co., grading 3 mi. Harrisville and Pullman Ridge Rd. D. W. Shock, engr.

North Carolina—June 28, by State Hy. Dept., Raleigh, improving 7.83 mi. State Project 473, Vance Co., 53,000 cu.yd. common and 3,200 cu.yd. rock excav., 1,204 ft. 15-24 in. concrete pipe, 82,710 sq.yd. concrete or asphaltic paving, 280 cu.yd. concrete, 23,000 lb. reinforcing, $250,000; 9.08 mi. State Project 387, Robeson Co., 45,000 cu.yd. common excav. and borrow, 1,226 ft. 15-30 in. concrete pipe, 95,800 sq.yd. concrete or asphaltic paving, 323 cu.yd. concrete, 26,100 lb. reinforcing, etc., $282,000; 12.88 mi. State Project 145, Hertford Co., 21 acres clearing, 95,400 cu.yd. common excav. and borrow, 8,100 cu.yd. drainage ditches, etc., $36,800; 5.84 mi. State Project 800, Avery Co., 18 acres clearing, 65,700 cu.yd. common and 7,300 cu.yd. rock excav., 1,646 ft. 18-30 in. concrete pipe, 49,480 sq.yd. concrete or asphaltic paving, etc., $175,000; 3.53 mi. State Project 713, Ashe Co., 25,300 cu.yd. common and 1,800 cu. yd. rock excav., 33,570 sq.yd. concrete or asphaltic paving, 600 cu.yd. concrete, 48,000 lb. reinforcing, etc., $118,500; 5.18 mi. State Project 711, Ashe Co., 20 acres clearing, 22,200 cu.yd. common and 7,800 cu.yd. rock excav., 1,740 ft. 16-30 in. concrete pipe, 560 cu.yd. concrete, 30,150 lb. reinforcing, 12,420 cu.yd. topsoil, etc., $48,000. C. M. Upham, state highway engr.

North Carolina—June 28, by State Hy. Comn., Raleigh, improving 5.77 mi. State Project 665, Richmond Co., 13 acres clearing, 22,800 cu.yd. excav., 60,890 sq.yd. concrete or asphaltic paving, 221 cu.yd. concrete, 30,980 lb. reinforcing, etc., $180,000; 20.5 mi. State Project 167, Northampton Co., 23 acres clearing, 118,300 cu.yd. common excav. and borrow, 6,000 cu.yd. drainage ditches, 1,178 ft. 15-30 in. concrete pipe, 48,050 cu.yd. topsoil, 680 cu.yd. concrete, 50,190 lb. reinforcing, etc., $76,500; 11.25 mi. State Project 463, Person Co., 31,300 cu.yd. excav., 105,840 sq.yd. concrete or asphaltic paving, 2,270 lb. reinforcing, etc., $293,700; 1.56 mi. State Project 420, A and B, Franklin Co., 6,600 cu.yd. excav., 16,360 sq.yd. concrete or asphaltic paving, 16,510 lb. reinforcing, etc., $50,000; 12.82 mi. State Project 419, Franklin Co., 14 acres clearing, 64,900 cu.yd. excav., 1,416 ft. 16-30 in. concrete pipe, 30,100 cu.yd. topsoil, 50,170 lb. reinforcing, etc., $46,000; 10.02 mi. State Project 383, Robeson Co., 56,200

Streets and Roads (Continued)

cu.yd. excav. and borrow, 1,762 ft. 16-30 in. rein.-con. pipe, 3,500 cu.yd. drainage ditches, 105,000 sq.yd. concrete or asphaltic paving, $307,000. C. M. Upham, state highway engr.

South Carolina—June 14, by State Hy. Dept., at Hampton, improving 15.6 mi. Yemassee-Fairfax Rd., 78,231 cu.yd. excav., 31,450 cu.yd. sand clay surfacing; 2 bridges at Sta. 804-50 and 820-40, 688 sq.yd. bituminous paving. Separate bids for road and bridge work. C. Moorefield, Columbia, state highway engr.

S. C., Marion—June 20, 20,000 sq.yd. paving, 18,000 sq.yd. sidewalks, 10,000 lin.ft. curb and gutter, 11,000 lin.ft. sanitary and 8,500 lin.ft. storm sewers. G. G. McKerrall, mayor; adv. this issue.

Fla., Winter Haven—July 6, 120,000 sq. yd. paving. H. S. Jandon Eng. Co., Elberton, Ga., engrs.; adv. this issue. Noted April 27.

Ohio—June 16, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Allen Co., Sect. "L-3" Lima-Sandusky Rd., 3.119 mi., bituminous macadam, tar or asphalt, $88,229; rein.-con., $94,184; brick, $121,490; state to furnish brick, $90,764.

Ashtabula Co., Sect. "I" and "H" Youngstown-Conneaut Rd., 6.992 mi., bituminous macadam, asphalt or tar, $164,-035.

Ashtabula Co. Sect. "C-1," "C," "D," "E" and "Windsor-Geneva" Painesville-Warren Rd., 10.297 mi., monolithic brick, $299,076; state to furnish monolithic brick, $228,270; rein.-con., $266,493.

Darke Co., Sect. "E" Dayton-Greenville Rd., 4.491 mi., brick, $160,483; rein.-con., $126,655; bituminous macadam, $148,562.

Hamilton Co. Sect. "A" Cincinnati-Brookville Rd., 4.075 mi., bitulithic, $294,022; bitoslag, $294,022; plain concrete, $222,625; semi-monolithic brick, $317,585; state to furnish semi-monolithic brick, $264,165.

Hancock Co., Sect. "A-2" and "B-2," "B-1" Ottawa Findlay Rd., 3.07 mi., bituminous concrete, $95,051; rein.-con., $82,812.

Ottawa Co., Sect. "L" Toledo-Elmore Rd., 0.992 mi., brick, $41,421; state to furnish brick, $29,853; bituminous concrete, $39,-389; rein.-con., $35,271.

Sandusky Co., Sect. "A" Toledo-Elmore Rd., 2.278 mi., brick, $104,608; state to furnish brick, $79,026; rein.-con., $83,950; bituminous concrete, $93,370.

Portage Co., Sect. "D" Aurora-Warren Rd., 3.593 mi., rein.-con., $108,183; brick, $108,063; state to furnish brick, $83,698.

Trumbull Co., Sect. "Newton Falls" Ravenna-Warren Rd., 0.756 mi., brick, $31,-035; state to furnish brick, $24,426.

Trumbull Co., Sect. "A-3" Canfield-Niles Rd., 0.26 mi., brick, $13,986; state to furnish brick, $10,616.

Union Co. Sect. "F" and "Marysville" Marysville-Bellefontaine Rd., 0.597 mi., Kentucky rock asphalt, $13,442.

Vinton Co., Sect. "A" McArthur-Gallipolis Rd., 0.341 mi., grading and completing bridge, $6,997.

Muskingum Co., Sect "R" Zanesville-McConnelsville Rd., 1.092 mi., grading and draining structures only, $11,517.

Ottawa Co., Sect. "L" Toledo-Elmore Rd., constructing bridge, $7,702.

Fayette Co., Sect. "K" Hillsboro-Washington C. H. Rd., constructing bridge $10,-703. L. C. Herrick, dir. highways.

O., Akron—June 14, by S. Porter, clk. Summit Co. grading and paving 0.96 mi. Kenmore-Magadore Rd. 44, Sect. D, 9,000 cu.yd. earth excav., 10,170 sq.yd. vitr. brick on concrete, or 10,170 sq.yd. asphalt, $49,-117; 2.24 mi. Portage Lakes Dr., 25,747 cu.yd. earth excav., 23,700 sq.yd. bituminous macadam, $74,000; 1.019 mi. Cuyahoga Falls-Middlebury Rd. 82, 6,600 cu.yd. earth excav., 9,600 sq.yd. vitr. brick on concrete, $40,395; 2.099 mi. Tallmadge Ave. (a) bituminous concrete and hillside brick, (b) brick, (c) concrete and brick. J. Weaver, Court House, engr.

O., Columbus—June 20, by Franklin Co., grading and paving 5.43 mi. Walker Rd., Norwich and Brown Twps., $110,873; 4.16 mi. Babbitt Rd., Plain and Jefferson Twps., $102,623, both waterbound macadam. C. C. Lattimer, Court House, engr.

O., Columbus—June 13, by W. H. Duffy, dir. Pub. Serv., grading, curbing, laying water and sewer connections and paving Apple St. from Oakley to Park Aves., 326 ft. long, 24 ft. wide, bituminous macadam, $3,144; brick, $4,367. Bruck St. from Markison Ave. to Hosack St., 1,190 ft. long, 26 ft. wide, brick, $48,481; asphalt, $44,461. Chase Ave. from Joyce Ave. to Mansfield St., 654 ft. long, 24 ft. wide, brick, $10,623; asphalt, $9,598. Columbus St. from Studer Ave. to Lockbourne Rd., 306 ft. long, 26 ft. wide, brick, $5,266; asphalt, $4,762. Dell Ave. from 12th to Windsor Aves., 402 ft. long, 24 ft. wide, brick, $6,563; asphalt, $5,967. Olpp Ave. from Parsons Ave. to Ann St., 700 ft. long, 24 ft. wide, brick, $10,067; asphalt, $8,998. Pearl St., from 13th to 16th Aves., 1,100 ft. long, 20 ft. wide, brick, $7,595; concrete, $6,045. Alley north of 11th Ave. from Summit St., to 4th St., 609 ft. long, 20 ft. wide, brick, $4,618; concrete, $3,634. Goodale St. from High to Henry Sts., setting back curb and relocating fire hydrants in addition to other work, 2,568 ft. long, 50, 48 and 47 ft. wide, brick, $45,548; asphalt, $42,730. R. H. Simpson, city engr.

Michigan—June 9, by State Hy. Dept., Lansing, grading and surfacing 4.04 mi. State Trunk Line Rd. 24-19, Isabella Co., incl. 10,653 cu.yd. excav., 37,923 sq.yd. gravel, also 6.135 mi. Federal Aid Project 57, Sects. B and C, Kent Co., 35,093 cu.yd. excav., 65,795 sq.yd. asphalt, concrete, or bituminous concrete. L. H. Belknap, state engr.

Michigan—June 12, by State Hy. Dept., Lansing, grading and surfacing 5.147 mi. Federal Aid Project 83, Bay Co., 25,312 cu.yd. excav., 55,286 sq.yd. asphalt, concrete or bituminous concrete, also 4.535 mi. Federal Aid Project 63, Sect. A, Bay Co., 20,039 cu.yd. excav., 47,851 sq.yd. asphalt, concrete or bituminous concrete. L. H. Belknap, ch. engr.

Michigan—June 13, by State Hy. Dept., Lansing, grading and surfacing 4.519 mi. Federal Aid Project 77, incl. 35,007 cu.yd. excav., 46,825 sq.yd. asphalt, concrete or bituminous concrete, also 6.06 mi. Federal Aid Project 78, incl. 31,827 cu.yd. excav., 71,004 sq.yd. asphalt, concrete or bituminous concrete, both Saginaw Co. L. H. Belknap, state engr.

Michigan—June 14, by State Hy. Dept., Lansing, grading and surfacing 3.946 mi. Federal Aid Project 79, Genesee Co., 32,663 cu.yd. excav., 41,555 sq.yd. asphalt, concrete, or bituminous concrete. L. H. Belknap, state engr.

Michigan—June 15, by State Hy. Dept., Lansing, grading and surfacing 4.479 mi. State Trunk Line Rd. 19-13, Macomb Co., 52,481 sq.yd. asphalt, concrete, or bituminous concrete. L. H. Belknap, state engr.

Michigan—June 22, by State Hy. Dept., Lansing, grading and surfacing 5.97 mi. State Trunk Line Rd. 18-5, Sect. B, Gladwin Co., 15,980 cu.yd. excav., 56,122 sq.yd. gravel; 5.473 mi. State Trunk Line Rd. 18-17, Gladwin Co., 32,989 cu.yd. excav., 51,372 sq.yd. gravel, 1.228 mi. State Trunk Line Rd. 20-20, Midland Co., 3,211 cu.yd. excav., 11,222 sq.yd. concrete, 2,551 sq.yd. gravel. L. H. Belknap, ch. engr.

Michigan—June 30, by State Hy. Dept., Lansing, grading and surfacing 1.761 mi. State Trunk Line Rd. 13-37, Kent Co., 6,184 cu.yd. excav., 18,600 sq.yd. asphalt, concrete, or bituminous concrete. L. H. Belknap, state engr.

Wisconsin—June 13, by State Hy. Comn., div. office 9, Teller Bldg., Lancaster, 1.98 mi. Darlington-Mineral Point Rd., Federal Aid Project 311, Lafayette Co., bids to be received three ways (a) on all work except gravel or mine tailing surfacing, (b) on entire job using gravel surfacing, (c) on entire job using mine tailing surfacing, incl., 9,980 cu.yd., earth, 100 cu.yd. hardpan, 500 cu.yd. loose and 250 cu.yd. solid rock excav., 2,292 cu.yd. borrow, 568 sq.yd. concrete surfacing, etc., alternate bids on surfacing, (1) 2,842 cu.yd. gravel, (2) 2,841 cu.yd. mine tailings; surfacing Mineral Point-Dodgeville Rd., Federal Aid Project 180, Iowa Co., 6,120 cu.yd. gravel surfacing, or mine tailing surfacing, 3.73 mi. Boscobel-Fennimore Rd., Federal Aid Project 141, Grant Co., alternate bids on (1) 200 cu.yd. clay, 5,635 cu.yd. gravel, (2) 200 cu.yd. clay, 5,635 cu.yd. local gravel, (3) 200 cu.yd. clay, 5,635 cu.yd. Prairie du Chien gravel. A. R. Hirst, Madison, highway engr.

Ia., Adel—June 12 by Auditor Dallas Co. grading 4.985 mi. Primary Rd. Project 196, east and south of Redfield, 70,638 cu.yd. excav., 27,200 ft. 6 in. tile, etc.; gravel surfacing 5 mi. Secondary Rd. Dist. 11, 6,250 cu.yd. gravel and 10.58 mi. Woodward-Granger Rd., 5,290 cu.yd. gravel.

Ia., Ames—June 12, paving various streets, incl. 66,190 sq.yd. portland cement, concrete, vibrolithic concrete, sheet asphalt, bitulithic, vitr. brick or asphaltic concrete, and 37,900 lin.ft. curb. $163,000. A. B. Maxwell, clk.

Ia., Primghar—June 16 by Auditor O'Brien Co., grading 11.291 mi. Sects. A, C and D, Primary Rd. Project 69, from Sioux Co. line east through Paullina, 90,943 cu.yd. excav., 28,230 ft. 6 in. and 10,840 ft. 8 in. tile, etc.

Ia., Rock Rapids—June 15, by Auditor Lyon Co. grading 10.997 mi. Primary Rd. Project 146, Sects. A and B, from South Dakota line southeast through Larchwood and Lester, 82,366 cu.yd. excav., 5,057 ft. 6 in. and 2,275 ft. 8 in. tile, etc.; 1 mi. George-Ellsworth Rd., 2 mi. Doon-Hull Rd. and 2 mi. Larchwood-Sioux River Rd.

Missouri—June 15, by State Hy. Dept. at div. office Fayette, 4.811 mi. road from Fayette, north, south and southwest, State Aid Project 20.93, Howard Co., 41,452 cu.yd. earth excav., 216.3 cu.yd. concrete masonry, etc. B. H. Piermeier, Jefferson City, state highway engr.

Missouri—June 15, by State Hy. Dept. at div. office Greenfield, 7.72 mi. road from Greenfield eastwardly, Federal Aid Project 159 B, Dade Co., 34,762 cu.yd. earth and 1,008 cu.yd. rock excav., 246.8 cu.yd. concrete masonry, etc. B. H. Piepmeier, Jefferson City, state highway engr.

Missouri—June 16, by State Hy. Dept. at div. office Carrollton, grading, etc., 7.64 mi. road from Carrollton east, west and north, State Aid Project 20.87, Carroll Co. B. H. Piepmeier, Jefferson City, state highway engr.

S. D., Yankton—June 19, grading, paving and curbing various streets, 9,533 cu.yd. excav., 57,806 sq.yd. 6 in. 1-2-4 Sioux quartzite, concrete paving, 6,227 lin.ft. concrete curb. $120,000. C. H. Conrick, city engr.

Tex., Ballinger—Runnels Co. opened bids grading and surfacing 9.79 mi. State Highway 30, Federal Aid Project 267, incl., 19,-275 cu.yd. borrow, 27,442 cu.yd. roadway, 691.5 cu.yd. concrete, 33,176 lb. reinforcing, 20,798 cu.yd. gravel surfacing, from L. T. Winans & R. Topey, Mineral Wells, $32,883; Kuykendall & Shelton, Temple, $34,459; J. McCarthy, Marshall, $35,634. Engrs. est., including materials and 10% for engineering and contingencies, $65,310.

Tex., Breckenridge—June 13, by C. H. Fulwiler, mayor, grading and paving main streets, 86,000 sq.yd. 3 in. vertical fibre brick, warrenite bitulithic, unvalde rock asphalt, asphaltic concrete or rein.-con. on macadam, 31,000 lin.ft. concrete curbing, 21,500 cu.yd. earth excav. $250,000. E. E. Sands, Mason Bldg., Houston, and J. B. Hawley, Cotton Exch. Bld., Ft. Worth, engrs.

Tex., Clarksville—See "Waterworks."

Tex., Paris—June 17, by W. L. Hutchinson, judge Lamar Co., surfacing 4 mi. State Highway 19, Federal Aid Project 296, incl., 37,397 sq.yd. concrete, 47,827 lb. wire mesh reinforcing, etc., $107,446; paving 6 mi. State Highway 5, Federal Aid Project 295, 56,320 sq.yd. concretee, $154,880. W. M. Fooshee, co. engr. Noted May 4.

New Mexico—June 21, by State Hy. Comn., Santa Fe, grading and building structures on 10.59 mi. Silver City-Cliff Rd., 64,117 cu.yd. excav., 29,761 sta.yd. overhaul, 567 cu.yd. Class A and 236 cu.yd. Class B concrete, 20,851 lb. reinforcing, etc., 8.05 mi. Santa Rita-San Lorenzo Rd., 52,472 cu.yd. excav., 885 cu.yd. Class A and 162.1 cu.yd. Class B concrete, 57,510 lb. reinforcing, etc., both in Grant Co.; grading, surfacing and building structures 9.32 mi. Pecos-Rowe Rd., San Miguel Co., 24,-507 cu.yd. excav., 14,519 cu.yd. 1 course crushed stone surfacing, 432.4 cu.yd. Class A and 78.8 cu.yd. Class B concrete, 24,664 lb. reinforcing, etc., 4.84 mi. Las Cruces-Berino Rd., Dona Ana Co., 6,296 cu.yd. excav., 92.6 cu.yd. Class A and 8 cu.yd. Class B concrete, 7,568.8 cu.yd. 6 in. concrete pavement, 20,825 sq.ft. metal pavement reinforcing, etc.; 16.42 mi. Laguna-Cubera Rd., Valencia Co., 47,908 cu.yd. excav., 14,444 cu.yd. 1 course gravel surfacing, 556.4 cu.yd. Class A and 170.7 cu. yd. Class B concrete, 60,735 lb. reinforcing, etc. L. A. Gillett, state highway engr.

Nevada—June 14, State Hy. Comn. Carson City, grading, gravel surfacing and building culverts on 5 mi. Sect. D-1, Route 2, Lincoln Highway, 25,000 cu.yd. excav., 80 cu.yd. Class A and 15 cu.yd. Class B concrete, 5 mi. prepare subgrade and shoulders, 5,610 cu.yd. loading, 23,200 yd. mi. hauling and 5,610 cu.yd. spreading gravel. G. W. Borden, state highway engr.

California—June 26, by State Hy. Comn., Sacramento, surfacing with asphaltic concrete, 0.3 mi. highway in Town of Williams, Colusa Co.; grading and paving with concrete 2 mi. between El Centro and Imperial, Imperial Co.; grading and gravel surfacing 3.5 mi. between Alto and Belvedere, Marin Co. A. B. Fletcher, state highway engr.

Cal., Modesto—June 14, improving 5th St. between F and H Sts., 48,282 sq.ft. grading, 45,620 sq.ft. 1½ warrenite bitulithic on 2½ in. asphaltic concrete, 2,661 sq. ft. gutter, 1,767 lin.ft. curb, etc., $12,260; Sycamore Ave. between Needham and Stoddard Aves., 58,134 sq.ft. grading, 54,461 sq. ft. paving, 3,672 sq.ft. gutter, 2,302 lin.ft. curb, $16,083. Noted May 18.

Cal., Santa Cruz—June 26, by S. A. Evans, city clk., for street improvements. J. K. James, city engr.; adv. this issue.

Streets and Roads (Continued)

Ont., Kemptville—June 2, by A. Storey, reeve of Kemptville, 13,000 sq.yd. asphaltic macadam roads. $30,000. E. R. Blackwell, Brockville, engr.

BIDS RECEIVED

Maine—State Hy. Dept., Augusta, improving (1) 2.245 mi. Project 44 in Old Town, 140 cu.yd. concrete, 4,500 cu.yd. gravel, 3,900 cu.yd. earth and 50 cu.yd. rock excav., 1,900 cu.yd. borrow, 2,800 cu.yd. gravel base, (2) 2.492 mi. Project 31, Livermore and Hartford, 192 cu.yd. concrete, 5,500 cu.yd. earth and 1,805 cu.yd. rock excav., 3,480 cu.yd. borrow, 5,683 cu.yd. gravel, (3) 5.1 mi. Project 48, Milford, 171 cu.yd. concrete, 5,900 cu.yd. earth and 500 cu.yd. rock excav., 12,170 cu.yd. borrow, 5,600 cu.yd. gravel, 770 cu.yd. stone base, gravel finish, 9,670 cu.yd. gravel, (4) 4.29 mi. Project 49, Greenbush, 191 cu.yd. concrete, 4,700 cu.yd. earth and 50 cu.yd. rock excav., 5,200 cu.yd. borrow, 4,800 cu.yd. gravel, 500 cu.yd. stone base, 125 cu.yd. gravel sub-base, 8,100 cu.yd. gravel, (5) 3.11 mi. Project 50, Mars Hill, 110 cu.yd. concrete, 100 sq.yd. cobble gutter, 18,502 cu.yd. earth and 1,764 cu.yd. rock excav., 534 cu.yd. borrow, 1,221 cu.yd. stone and gravel base, 178 cu.yd. gravel sub-base, 7,767 cu.yd. gravel road, (6) 3.55 mi. Projects 12 and 13, New Gloucester and Auburn, 81 cu.yd. concrete, 7,295 cu.yd. cement concrete, 699 sq.yd. cobble gutter, 680 cu.yd. stone fill, 7,993 cu.yd. earth and 144 cu.yd. rock excav., 4,398 cu.yd. borrow, 9,374 cu.yd. gravel base, 324,495 lb. steel bars, 323 cu.yd. gravel, (7) 2.49 mi. Project 40, Farmingdale, 113 cu.yd. gravel, 5,083 cu.yd. concrete, 231,334 lb. steel bars, 502 cu.yd. concrete, 5,160 cu.yd. earth and 190 cu.yd. rock excav., 1,150 cu.yd. borrow, 2,917 cu.yd. gravel, (8) 4.66 mi. E Project 12, New Gloucester, 245 cu.yd. gravel, 216 cu.yd. concrete, 9,563 cu.yd. concrete pavement, 785 sq.yd. cobble, 14,616 cu.yd. earth and 25 cu.yd. rock excav., 12,834 cu.yd. gravel base, 2,035 cu.yd. borrow, 202 cu.yd. stone fill, 425,424 lb. steel bars, (9) 1.81 mi. Z Project 46, Lewiston, 28,686 gal. hot and 14,343 gal. cold bituminous material, 41 cu.yd. "A" and "B" concrete, 4,000 cu.yd. earth and 50 cu.yd. rock excav., 1,328 cu.yd. bituminous macadam, 1,040 cu.yd. borrow, 4,246 cu.yd. stone base, crushed stone finish, 1,061 cu.yd. gravel sub-base, from F. B. Hastings, 1335 Wood Ave., Bridgeport, Conn., (1) $25,954; Frissell Eng. Co., Gardner, Mass., (1) $29,176, (3) $77,471, (4) $58,637; A. V. Leo Constr. Co., Thompson, Conn., (1) $29,617, (4) $61,067; A. D. Bridges Sons, Inc., Hazardville, Conn., (2) $40,681, (3) $85,306, (6) $125,382, (7) $81,907; J H Kerr, Rumford, (2) 50,663; R. and J. McGregor, Rumford, (2) $50,801; R. H. Newell Co., Uxbridge, Mass., (3) $79,386, (4) $63,488; McCabe & Giovanni, 24 East Concord St., Boston, (5) $58,659; D. W. Overocker, Brattleboro, Vt., (5) $74,407; Fish Bros., North Anson, (6) $113,773, (7) $84,849, (9) $43,303; J. H. Ferguson, Dorchester, Mass., (6) $128,843; Hassam Paving Co., 17 Federal St., Worcester, Mass., (7) $73,447; J. McCormick, 319 Taunton Ave., East Providence, R. I., (8) $199,129; Forgione & Romano, 811 Fidelity Bldg., South Portland, (8) $211,619; Bruno & Petitti, 18 Tremont St., Boston, (8) $235,333; Thomas & Murphy, 86 Winter St., Keene, N. H., (9) $43,391; Portland Constr. Co., 21 Portland St., Portland, (9) $44,409. Noted May 18.

Connecticut—State Hy. Dept., Hartford, opened bids May 26, 7,580 ft. highway in New London, 5,170 cu.yd. concrete, relaying 1,000 lin.ft. curbing, 26,500 sq.yd. earth grading, from Waterbury Constr. Co., Grand St., Waterbury, $37,552; J. D'Alvio, New London, $38,504; C. W. Blakeslee & Sons, Inc., 58 Waverly St., New Haven, $44,353. Noted May 18.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, opened bids May 31, paving (1) Dupont St. from Franklin St. to westerly side of West and Commercial Sts., (2) East 14th St. from Ave. U to point about 260 ft. south, (3) Kenmore Pl. (East 21st St.) from Ave. L to Ave. M, (4) New York Ave. from Beverly to Cortelyou Rds., (5) Ave. R from Coney Island Ave. to East 14th St., (6) 46th St. from 17th to 18th Aves., (7) 59th and 61st Sts. from 17th to 18th Aves., (8) 70th St. from 18th to 19th Aves., (9) 81st St. from 18th to 19th Aves. and 19th Ave. from 79th to 81st Sts., curbing and paving (10) Kenmore Pl. from Ave. I to Ave. L, grading, curbing and laying sidewalks on (11) Kenmore Pl. (East 21st St.) from Ave. L to Ave. M, resurfacing, (12) Neptune Ave. from Ocean Parkway to Emmons Ave. and Emmons Ave. from Neptune Ave. to point 379 ft. east of Ford St., (13) Ocean Ave. from Kings Highway to Voorhies Ave., (14) Sheepshead Bay Rd. from Gravesend Neck Rd. to Emmons Ave., (15) Voorhies Ave. from East 15th to East 23rd Sts., from Welsh Bros. Contg. Co., 32 Queens St., Long Island City, (1) $11,210; T. B. Scott, (1) $11,492, (11) $3,471; Greico Bros., 172 Russell St., (1) $11,729; C. Gallagher, 745 Dean St., (2) $12,465, (11) $3,260, (12) $35,462, (13) $51,298, (14) $11,905, (15) $16,555; Cranford Co., 52 9th St., (2) $13,076, (3) $7,930, (5) $11,140, (6) $9,397, (8) $7,654, (9) $14,586, (10) $28,957; Uvalde Asphalt Paving Co., 1 Bway., New York, (2) $13,245, (6) $9,137, (7) $15,923, (8) $7,619, (9) $14,132; Borough Asphalt Paving Co., 1301 Metropolitan Ave., (3) $7,735, (4) $5,041, (5) $11,070, (6) $9,357, (7) $16,316, (8) $7,808, (9) $14,496, (10) $28,179; Cleveland Trinidad Paving Co., Flushing, (3) $7,848, (4) $4,888, (5) $10,789, (7) $16,348, (10) $28,765; Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., (4) $5,090; G. M. Mandatto, 139 29th St., (11) $3,073; Soviero & Britton, (12) $39,704, (13) $60,383, (14) $14,340; J. J. Guinan Contg. Co., 2314 Gravesend Ave., (12) $41,150, (13) $54,889, (14) $14,412, (15) $18,034; Murphy Bros., (15) $19,505. Noted May 25.

N. Y., Dunkirk—Common Council opened bids May 24, paving East Front, Canary and West 3rd Sts., (1) brick and sand cushion, (2) brick on cement sand cushion, (3) monolithic brick, (4) concrete, (5) 1 course concrete, (a) concrete curb and gutter, (b) stone curb, from J. McNamara & Son, Dunkirk, (1a) $33,895, (2a) $34,655, (3a) Canary St. only, $13,845, (4a) Canary and East Front Sts. only, $23,102, (5a) $30,954, (1b) Canary and East Front Sts., only, $27,975, (2b) $28,602, (3b) 2 streets only, $27,035, (4b) $26,027, (5b) $25,400; J. P. Morrissey, Dunkirk, (3a) East Front St. only $10,049, West 3rd St., $8,708; E. Flanigan, Dunkirk, (4a) West 3rd St., $8,139. Noted May 5.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing and laying sidewalks on (1) 7th Ave., paving (2) 7th Ave., grading and paving (3) 38th (Warburton) Ave., repaving (4) Seaview and Atlantic Aves., (5) Jackson Ave. (Bway.), (6) Rockaway Plank Rd., grading (7) 46th St., etc., from R. A. Hess. Inc., Corona, (1) $6,225; W. J. Fitzgerald, 547 West 45th St., New York, (1) $7,213, (2) $12,566, (7) $63,637; Kennedy & Smith, Inc., 93 Amity St., Flushing, (1) $7,428, (3) $4,951, (4) $79,466; Borough Asphalt Co. 1301 Metropolitan Ave., Brooklyn, (2) $14,247; Cleveland Trinidad Paving Co., Flushing, (2) $14,845, (7) $66,109; Soviero & Britton, 10111 114th St., Richmond Hill, (3) $4,190, (4) $81,890, (5) $19,505; Welsh Bros. Contg. Co., 14 Queens St., Astoria, (3) $5,087; Necaro Co., Inc., 97 Court St., Brooklyn, (4) $78,915, (5) $17,932; Regan Towers Co., 124 West 121st St., New York, (5) $19,847; W. P. McDonald Constr. Co., 17 West 42nd St., New York, (6) $112,911, (7) $71,362; Sicilian Asphalt Paving Co., 41 Park Row, New York, (6) $126,013. Noted May 25.

Pa., Ebensburg—Controller Cambria Co., 1,578 ft. Bakerton Rd., brick, from Bell-Bockel Co., Inc., Johnstown, $16,387; P. Azzara, Cresson, $16,626; Gifford & Prichard, Philipsburg, $18,145. Noted May 18.

Pa., Ebensburg—Supervs. Barr Twp., c/o Cambria Co. Controller, 7,785 lin.ft. Spangler Rd., brick, from J. Lepero, Johnstown, $79,561; Gifford & Prichard, Philipsburg, $81,301; Bell-Bockel Co. Inc., Johnstown, $81,504. Noted May 11.

Pa., Phila.—Paving (1) Delaware Ave., (2) Garnet St., (3) Price, Louden, Delphine and B Sts., (4) 16th and Chew Sts., (5) Lawrence and Anderson Sts., (6) Highland Ave., 49th, Helen and Clearfield Sts., from J. Mehan & Son, 915 Dauphin St., (1) $4,093; Acchione & Canuso, 715 South 12th St., (1) $4,203; J. J. McHugh, 1430 South Penn Sq., (1) $5,760; Barber Asphalt Paving Co., Land Title Bldg., (2) $13,875, (3) $26,277, (4) $24,959, (5) $26,435, (6) $18,652; Eastern Paving Co., Colonial Trust Bldg., (2) $15,962, (3) $29,532, (4) $25,652, (5) $28,561, (6) $15,974.

North Carolina—State Hy. Dept., Raleigh, improving (1) 9.2 mi. State Project 545, Hoke Co., (a) clearing, grading and topsoiling, (b) rein.-con. bridges and culverts, (2) 8.9 mi. State Project 741, Forsyth Co., (a) clearing, grading and concrete or asphaltic paving, (b) rein.-con. bridges and culverts, (3) 9.77 mi. State Project 312, Brunswick Co., (a) clearing, grading and concrete or asphaltic paving, (b) rein.-con. bridges and culverts, (4) 1.68 mi. State Project 954, Jackson Co., (a) grading and concrete or asphaltic paving, (b) rein.-con. bridges and culverts, (5) 12.7 mi. State Project 953, Jackson Co., (a) clearing and grading, (b) rein.-con. bridges and culverts, (6) 2.71 mi. State Project 110, Camden Co., (a) heavy rein.-con. pavement of special design, (b) rein.-con. and steel bridges, (7) 10.62 mi. State Project 742, Forsyth Co., (a) grading and concrete or asphaltic paving, (b) rein.-con. bridges and culverts, (8) 5.2 mi. State Project 327, Columbus Co., (a) grading and topsoiling, (b) rein.-con. bridges and culverts (9) 11 mi. State Project 340, Cumberland Co., (a) clearing, grading and concrete or asphaltic paving, (b) rein.-con. bridges and culverts, (10) grading and paving with waterbound or penetration macadam, 10½ mi. State Project 913, Cherokee Co., (11) grading and concrete or asphaltic paving 4.53 mi. State Project 670, Cabarrus and Rowan Counties, (12) grading and concrete or asphaltic paving 17.6 mi. State Project 593, Rockingham and Caswell Counties, (13) clearing, grading and topsoiling 12.84 mi. State Project 364 B, Onslow Co., (14) clearing, grading and topsoiling 17.43 mi. State Project 502, Alamance Co., (15) clearing, grading and topsoiling 12.1 mi. State Project 316, Brunswick Co., (16) grading and paving with waterbound macadam 15.2 mi. State Project 888, Yancey Co., (17) clearing, grading and concrete or asphaltic paving 9.2 mi. State Project 614, Cabarrus Co., from A. W. McClay, 2400 Grove Ave., Richmond, Va., (1a) $35,048, (1b) $16,281, (13) $49,453; O. A. Mann, La Grange, Ga., (1a) $35,272; J. A. Kreis, Holston Bank Bldg., Knoxville, Tenn., (1b) $16,779, (3a) $331,170, (3b) $13,492, (8a) $17,180, (8b) $16,925, (9b) $12,240, (12) $447,630, (17) $289,000; J. A. Marrow, Clarksville, Va., (1a) $37,764, (1b) $18,290, (13) $53,126; Hardaway Constr. Co., Charlotte, (2a) $265,042, (2b) $21,345, (7a) $400,923, (7b) $14,755, (12) $480,377; Mills-Williams Contg. Co., Winchester, Ky., (2b) $21,004, (4a) $66,764, (4b) $15,676, (10) $86,868; A. L. Harris, Newton, (2a) $269,086, (17) $280,545; A. J. Wardrep, 1717 Highland Ave., Knoxville, Tenn., (2a) $272,951, (7a) $384,400, (11) $136,719, (17) $290,801; Heilig & Sherrill, Winston-Salem, (2b) $21,543; Alabama Concrete Products Co., Selma, Ala., (3a) $302,834, (9a) $334,713; Batson-Cook Co., West Point, Ga., (3b) $12,572, (4b) $17,308, (8b) $17,834; C. W. Lacy, Wilmington, (3a) $380,482; Austin Bros. Bridge Co., Hurt Bldg., Atlanta, Ga., (3b) $14,126, (7b) $16,876; C. C. McCabe, Tuxedo, (4a) $66,376, (4b) $16,985, (5a) $87,282, (5b) $18,348, (16) $128,391; E. A. Wilson, Knoxville, Tenn., (4a) $69,696, (5b) $17,997, (8a) $16,245, (8b) $16,571; W. H. Anderson Constr. Co., Spruce Pine, (5a) $87,921; Gibson Constr. Co., Knoxville, Tenn., (5a) $88,822; The Luck Constr. Co., Sylva, (5b) $18,637; J. L. McGeehee, Tarboro (6a) $117,364; G. E. Ward, Elizabeth City, (6a) $127,847, (6b) $18,627; Porter & Boyd, Realty Bldg., Charlotte, (6a) $186,990, (6b) $23,342, (7a) $413,416, (10) $173,331, (15) $58,852; Stearns Bros., Statesville (7b) $15,106; Gregory & Chandler, Virgilina, Va., (8a) $17,243, Hobbs-Peabody Constr. Co., Blacksburg, S. C., (9b) $11,004; Powell Paving Co., Palmetto Bank Bldg., Columbia, S. C., (9a) $358,868; R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, (9a) $366,686; Rhyne & Kitchen Blacksburg S. C. (9b) $13,138; H. A. Wells Constr. Co., Asheville, (10) $110,304; Southern Constr. Co., Atlanta, Ga., (11) $128,643; General Constr. Co., Raleigh, (11) $134,018; Harris Granite Quarries Co., Dillsboro, (12) $482,060; Gardner-Crawford Co., Columbus, Ga., (13) $53,719; W. H. Thompson, Burlington, (14) $67,939; W. E. Graham, Mt. Ulla, (14) $68,010; Porter & Peck, Greenville, (14) $70,497; B. F. Price, Mullins, S. C., (15) $46,115; Brunswick Co. Rd. Comn., Southport, (15) $52,200; R. S. Freeman, 805 North 3rd Ave., Knoxville, Tenn., (16) $96,970. Noted May 4.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids May 31, grading, bridging and paving roads with (a) asphaltic macadam, oil, (b) asphaltic macadam, lake, (c) tar macadam, (d) Kentucky rock asphalt, (e) bituminous concrete, (f) rein.-con., (g) monolithic brick, (h) state to furnish monolithic brick, (i) brick, (j) state to furnish brick, (k) waterbound macadam, (l) waterbound gravel, (m) concrete, (n) asphaltic macadam, in following counties: Allen Co., Sect. "A-1" Lima-Kenton Rd., 0.499 mi., from N. B. Putnam, Van Wert, (a) $13,933 (c) $13,906; C. V. Rector, Muncie, Ind., (a) $14,013 (c) $14,013 (d) $16,831; F. A. Frobase & Co., 628 West North St., Lima, (a) $14,741 (b) $14,741 (c) $14,741 (e) $16,318; D. W. Botkin & Son, Columbus, (d) $17,235; P. H. Agerter, 114 South McDonald St., Lima, (d) $17,772; Republic Asphalt Paving Co., 702 Commercial St., Dayton, (e) $15,693; Lima Willite Paving Co., Lima, (e) $16,495; Lewis & Copeland, Lima, (f) $16,358. Allen Co., Sect. "B" Lima-Kenton Rd., 3.746 mi., from F. A. Frobase & Co., 628 West North St., Lima, (a) $93,279 (b) $93,279 (c) $93,279 (e) $106,467; C. V. Rector, Muncie, Ind., (a) $94,188 (c) $94,166 (d) $115,785; D. W. Botkin & Son, Columbus, (a) $95,249 (c) $95,249 (d) $120,034; P. H. Agerter,

Streets and Roads (Continued)

Lima, (d) $123,994; Republic Asphalt Paving Co., 702 Commercial St., Dayton, (e) $103,019; Lima Willite Paving Co., Lima, (e) $111,353; Lewis & Copeland, Lima, (f) $107,151. Allen Co., Sect. "C" Lima-Kenton Rd., 2.754 mi., from W. H. and H. A. Souder, Fostoria, (a) $68,466 (c) $68,446; D. W. Botkin & Son, Columbus, (a) $69,921 (d) $87,310; F. A. Frobase & Co., 628 West North St., Lima, (a) $71,375 (b) $71,375 (e) $80,230; Ada Constr. Co., Ada, (b) $67,885 (c) $63,231 (d) $80,911; N. B. Putnam, Van Wert, (c) $68,094 (e) $78,916; Republic Asphalt Paving Co., 702 Commercial St., Dayton, (e) $77,303; Lewis & Copeland, Lima, (f) $79,333. Allen Co., Sect. "C-2" Lima-Kenton Rd., 1.502 mi., from W. H. and H. A. Souder, Fostoria, (a) $40,551 (e) $46,766; D. W. Botkin & Son, Columbus, (a) $40,710 (b) $44,042 (d) $49,212; F. A. Frobase & Co., 628 West North St., Lima, (a) $40,234 (b) $40,234 (c) $40,234; Ada Constr. Co., Ada, (b) $39,441 (c) $36,061 (d) $44,928; N. B. Putnam, Van Wert, (c) $38,721; J. Wroe, 54 Davies St., Dayton, (d) $53,178; Republic Asphalt Paving Co., 702 Commercial St., Dayton, (e) $43,119; Andrews Asphalt Paving Co., Hamilton, (e) $45,922; Lewis & Copeland, Lima, (f) $44,830. Ashland Co., Sect. "B" Mansfield-Ashland Rd., 3.523 mi., from Dorsey Constr. Co., Findlay, (g) $122,830; F. J. Mann & Son, Ashland, (g) $128,502 (h) $79,000 (i) $128,773 (j) $82,303; H. Strodbeck, Ashland, (f) $103,064 (g) $133,924 (h) $90,000; W. K. Drake, Marion, (f) $104,955 (h) $90,688 (j) $95,000; Dorsey Constr. Co., Findlay, (i) $129,960; E. J. Kane, 461 West Indianola Ave., Youngstown, (f) $103,820 (i) $132,875 (j) $92,860. Fayette Co., Sect. "G" Washington-London Rd., 4.268 mi., from Hyer Constr. Co., Washington C. H., (a) $91,927 (b) $91,927 (c) $91,927 (k) $79,794; C. L. Straw, Paulding, (a) $91,576 (c) $91,576 (k) $79,848; Craig & Jordan, Blanchester, (k) $80,736; D. W. Botkin & Son, Columbus, (a) $87,247 (c) $87,247; Neff & Rader, Circleville, (b) $93,284; G. Miller, Brooksville, Ky., (b) $94,123. Hardin Co., Sect. "G" Marion-Kenton Rd., 4.041 mi., from G. F. Druschel, Kenton, (b) $86,762 (c) $81,212 (d) $95,049 (e) $104,869; Losey Rd. Constr. Co., Kenton, (b) $90,154 (c) $86,311 (d) $105,696 (e) $111,674 (f) $112,265; Laubis Stone Co., Kenton, (b) $93,637 (e) $115,503; W. Wilson, Dunkirk, (d) $100,877; Lewis & Copeland, Lima, (f) $121,002. Hardin Co., Sect. "H" Marion-Kenton Rd., 3.011 mi., from G. F. Druschel, Kenton, (b) $59,953 (c) $53,868 (d) $69,921 (i) $75,328. Hardin Co., Sect. "H" Lima-Kenton Rd., 3.337 mi., from Ada Constr. Co., Ada, (b) $70,661 (d) $85,982 (e) $90,814; McArthur & Co., Kenton, (b) $74,185 (c) $67,115 (d) $82,789 (f) $99,843; Losey Rd. Constr. Co., Kenton, (b) $76,768 (c) $73,924 (d) $87,126 (e) $92,685 (f) $98,017; J. Sheehan Co., Toledo, (f) $97,916; Scully Bros., Harrison Pike Miamitown, Cincinnati, (e) $92,573. Hardin Co., Sect. "I" Lima-Kenton Rd., 2.159 mi., from Ada Constr. Co., Ada, (b) $50,310 (d) $63,821 (e) $60,830; Losey Rd. Constr. Co., Kenton, (b) $52,129 (c) $50,525 (d) $60,926 (e) $62,811 (f) $61,627; McArthur & Co., Kenton, (b) $53,707 (c) $47,979 (d) $58,151 (f) $61,060; J. Sheehan, Toledo, (f) $62,940; Laubis Stone Co., Kenton, (e) $64,358. Hardin Co., Sect. "J" Lima-Kenton Rd., 3.298 mi., from Finch Eng. Co., Bowling Green, (b) $83,003 (f) $100,724; J. W. Carey, Ada, (b) $83,792 (d) $90,965 (e) $89,145; Losey Rd. Constr. Co., Kenton, (b) $85,536 (c) $82,727 (d) $94,786 (e) $99,574 (f) $92,578; Laubis Stone Co., Kenton, (d) $99,471 (e) $99,471. Huron Co., Sect. "B" Tiffin-New Haven Rd., 2.6 mi., from Pettibone & Graves, Lakeside, (a) $52,640 (c) $52,600; C. M. Gray, Waterville, (a) $51,473 (c) $52,228; Trumbull Constr. Co., Warren, (a) $53,671; R. Wolfe, Bloomville, (b) $54,893; J. H. Murphy & Sons, Burgoon, (b) $56,114; F. F. Walton, Upper Sandusky, (c) $54,788. Knox Co., Sect. "M" Mt. Vernon-Coshocton Rd., 5.525 mi., from Galion Constr. Co. Galion, (l) $54,239; Richland Constr. Co., Mansfield, (l) $54,337; Wilson Constr. Co., Newark, (l) $57,232. Marion Co., Sect. "A" Marion-Bucyrus Rd., 2.952 mi., from Newark Paving & Constr. Co., Newark, (i) $87,252; P. Drake & Sons, Marion, (i) $89,471. Marion Co., Sect. "B" Marion-Bucyrus Rd., 3.747 mi., from Newark Paving & Constr. Co., Newark, (i) $127,057; P. Drake & Sons, Marion, (i) $127,880. Ottawa Co., Sect. "H" Port-Clinton Marblehead Rd., 3.619 mi., from J. Sheehan, Cincinnati, (f) $93,251; Pettibone & Graves, Lakeside, (a) $76,170 (c) $76,140 (f) $95,940; Modern Constr. Co., Fremont, (f) $98,505; C. M. Gray, Waterville, (a) $71,855 (c) $71,512; Wise Bros. and Burman, Elmore, (a) $75,289 (b) $75,289 (c) $75,289. Portage Co., Sect. "E" Warren-Burton Rd., 1.933 mi., from Turner Constr. Co., Park Theatre Bldg., Youngstown, (f) $73,414; Pettibone & Graves, Lakeside, (f) $73,500. Richland Co., Sect. "R" Mansfield-Ashland Rd., 0.877 mi., from D. M. Roach, Defiance, (i) $59,251; W. K. Drake, Marion, (i) $60,404, (j) $47,853. Sandusky Co., Sects. "T" and "U" Lima-Sandusky Rd., 5.727 mi., from Seneca Constr. Co., Kansas, (e) $174,971 (f) $149,995 (i) $184,807; Modern Constr. Co., Fremont, (e) $174,902 (f) $164,247 (i) $194,479; J. Sheehan Co., Toledo, (f) $164,747 (i) $196,895. Seneca Co., Sect. "C" Columbus-Sandusky Rd., 4.241 mi., from Finch Eng. Co., Bowling Green, (a) $69,763 (c) $69,539 (i) $136,160; Laubis Stone Co., Kenton, (a) $75,138 (b) $80,056 (c) $73,373 (i) $134,508 (j) $89,238; C. M. Gray, Waterville, (a) $75,205 (c) $75,205 (i) $134,173; Wise Bros. and Burman, Elmore, (b) $80,628; R. M. Myers, Attica, (j) $96,530. Seneca Co., Sect. "P-1" Findlay-Tiffin Rd., 1.13 mi., from Seneca Constr. Co., Kansas, (e) $35,998 (f) $32,916; Thompson-O'Roark Co., Toledo, (e) $37,464; Smith Constr. Co., Youngstown, (e) $38,477; Modern Constr. Co., Fremont (f) $34,608; Pettibone & Graves, Lakeside, (f) $34,900. Seneca Co., Sect. "C" Tiffin-Fostoria Rd., 5 mi., from Seneca Constr. Co., Kansas, (a) $145,758 (b) $145,758 (f) $136,533; Doris Constr. Co., Akron, (a) $153,366; Modern Constr. Co., Fremont, (a) $157,561 (b) $159,946 (f) $146,391; Pettibone & Graves, Lakeside, (f) $146,200. Stark Co., Sects. "A" and "Minerva" Minerva-Sandyville Rd., 0.805 mi., from Allison-Harris Co., East Liverpool, (c) $19,510 (g) $26,668 (h) $19,661 (m) $24,402; S. W. Hart & Sons, Minerva, (c) $19,275 (g) $26,753 (h) $18,609 (n) $19,275; G. W. Hadley, Canton, (g) $27,886 (m) $25,998; J. Wilson, Alliance, (h) $20,409; Cox & Hezlep, Kennington, (m) $24,898; Wise Bros., Canton, (n) $19,275. Vinton Co., Sect. "M" McArthur-Chillicothe Rd., 4.406 mi., grading and building bridges, from Foy-Nixon Co., Columbus, $29,882; C. A. Lunsford, Logan, $30,719; Kink Bros., McArthur, $30,786. Wayne Co., Sect. "E" and "F" Akron-Wooster Rd., 5.026 mi., grading and building bridges, from Benschoter-Launder Co., Toledo, $29,538; Gatty Constr. Co., Central Natl. Bank Bldg., Columbus, $32,310; Griggs-Anderson Co., Millersburg, $32,748. Noted May 18.

O., Akron—Summit Co. opened bids June 1, grading and paving 3.91 mi. Kent Darrowville Rd. 119, Sects. A and B, 44,200 cu.yd. earth excav., 36,700 sq.yd. bituminous macadam on waterbound macadam, etc., from Crano & Lombardi, 274 Crosby St., $98,928; T. E. McShaffrey Constr. Co., 171 South Forge St., $118,933. Noted March 9.

O., Columbus—Franklin Co. opened bids May 26, grading, bridging and paving (1) 2.42 mi. Sect. 1 Lockbourne Rd., (2) 2.46 mi. Sect. 2 Lockbourne Rd., (3) 0.35 mi. Sect. 3 Lockbourne Rd., from Stinchcomb & Essman, 237 East 11th Ave., (1) $38,406, (2) $40,616, (3) $5,338; D. W. Botkin & Son, 767 South 22nd St., (1) $39,926; J. S. Neff, 134 East Union St., Circleville, (1) $40,762; H. W. Curry & Co., 7 Huntington Bank Bldg., (2) $41,534, (3) $5,706; W. E. Schwartz, Sta. B, (2) $44,046, (3) $5,667. Noted May 4.

O., Cleveland—Opened bids May 26, paving Lorain Ave., West 57th, 58th and 59th Sts., 2,500 cu.yd. earth excav., 11,000 sq.ft. granite block, 66,600 sq.ft. 5 and 8 in. concrete base, from Roehl Bros., West 25th St. and Clark Ave., $39,327; Reiley Bros., The Arcade, $40,432. Noted May 18.

Wis., Mayville—Opened bids paving various streets, one course rein.-con., concrete curb and gutter, from L. A. Larsen & Co., Webster Blk., Oshkosh, $45,244; J. Schneider Constr. Co., 218 9th St., Milwaukee, $45,735; F. Doherty, 753 47th St., Milwaukee, $50,743.

Wis., Viroqua—Opened bids May 23, (a) paving 10,631 sq.yd. one course rein.-con., (b) 5,216 lin.ft. concrete curb and 5,216 lin.ft. concrete gutter, from Lampert Constr. Co., 104 Main St., Oshkosh, (a) $2.69, (b) $0.90; Campbell Constr. Co., 3050 Hennepin Ave., Minneapolis, Minn., (a) $2.79, (b) $1.08. Noted May 11.

Montana—State Hy. Comn., Helena, grading 7.36 mi. Rondo-Yarnell Rd., Federal Aid Project 145-A, 12-18 ft., Lincoln Co., from Gates & Solberg Bros., Wolf Point, $34,762, C. H. Kelley, Kalispell, $44,721, B. Helean, Warland, $47,631 (engrs. est. $40,315); 2.65 mi. grading and 4.77 mi. surfacing on Federal Aid Project 44-B and 82-D, 18-24 ft., Gallatin Co., from Pioneer Constr. Co., Bozeman, $25,189, Western Constr. Co., Natl. Bank Bldg., Helena, $25,959, J. N. Brown & Son, Bozeman, $29,459 (engrs. est. $28,486). Noted April 27.

Tex., Denton—Denton Co. opened bids grading and gravel surfacing 8.5 mi. roads in Krum Dist. 4, incl., 150,000 cu.yd. earth excav., 1,500 cu.yd. concrete, 120,000 lb. reinforcing, 20,000 cu.yd. gravel surfacing, from F. P. McElwrath, Corsicana, $8[illegible],375; McCoy & Richards, Arlington, $8[illegible],385; Scarbrough, Smith & Davis, 100 Gaston Bldg., Dallas, $87,630. Noted April 13.

Tex., Waco—McLennan Co. opened bids grading and gravel surfacing 10.57 mi. State Highway 7, Federal Aid Project 265, 66,161 cu.yd. roadway and 8,376 cu.yd. borrow excav., 501.8 cu.yd. concrete, 37,060 lb. reinforcing, 20,818 cu.yd. gravel surfacing, from Kydendall & Shelton, Temple, $77,955; Cook & Arrington, Crockett, $78,983; McCall-Moore Eng. Co., Amicable Bldg., Waco, $82,983. Engrs. est. incl. engineering and contingencies $100,051.

Colorado—State Hy. Dept., Denver, opened bids May 26, concrete paving 2.736 mi. Denver Ft. Collins Rd., Federal Aid Project 222 A, Adams, Boulder and Jefferson Counties, from Miller, Douglas & Haynes, 100 South York St., Denver, $88,336; E. Lindsay, Genoa, $88,763; Brodie & Anderson, Inter State Trust Bldg., Denver, $94,645. Noted May 18.

Wash., Walla Walla—Grading, curbing and paving with 4 in. asphaltic concrete, Chestnut St. et al., from Pacific Coast Paving Co., Perkins Bldg., Tacoma, $43,743; Independent Asphaltic Co., Spokane, $48,551; Bonwel, Savage & Fenner, Walla Walla, $51,795. Engrs. est. $50,000. Noted May 11.

Cal., Oakland—Improving 14 St., (a) 127,792 sq.ft. grading, (b) 774 f. concrete curb with steel guard, (c) 3,339 ft. concrete curb without steel guard, (d) 4,423 sq.ft concrete gutter, (e) 117,369 sq.ft. asphaltic concrete, from Hutchinson Co., 5000 Bway., (a) $0.03, (b) $1, (c) $0.75, (d) $0.33, (e) $0.28; H. Crummey, 357 12th St., (a) $0.048, (b) $1.10, (c) $0.80, (d) $0.40, (e) $0.306; Oakland Paving Co., 5000 Bway., (a) $0.0425, (b) $1, (c) $0.72, (d) $0.27, (e) $0.27; Bates & Borland, Oakland Bank of Savings Bldg., (a) $0.05, (b) $1.10, (c) $0.85, (d) $0.35, (e) $0.28.

Cal., San Diego—From D. H. Ryan, 1615 Fern St., paving Torrey Rd. and one section of Roosevelt Memorial Dr., 98,716 sq.ft. 5 in. cement concrete, at $0.304, 2,301 lin.ft. concrete curbing, $0.70, 8,601 sq.ft. concrete sidewalk, $0,22, 213 lin.ft. 18 in. and 24 in. corrugated iron culverts with appurtenances, complete, $1,998, total $35,511; paving second section of Roosevelt Memorial Dr., 2,827 cu.yd. excav., $0.60, 4,529 cu.yd. earth embankment, $0.90, 121,070 sq.ft. 5 in. cement concrete, $0.277, 122 lin. ft. 18 and 24 in. corrugated iron pipe culvert with appurtenances, complete, $1,365, total $48,663. Noted Jan. 12.

Cal., San Rafael—Marin Co., grading and surfacing Bolinas Co. Rd. from Steep Ravine to Randall Ranch buildings in Dist. 3, from J. A. Costello, 1083 Shotwell St., San Francisco, $47,881; S. P. Brownlee, 22nd and A Sts., San Rafael, $50,877.

Cal., Santa Rosa—Sonoma Co., improving Valley Ford-Freestone Rd., from W. L. Proctor, 1000 Spring St., Santa Rosa, $29,537. Noted May 18.

Que., St. Lambert—Paving 14,000 yd. Riverside Dr., 65 ft. wide, from Warren Bituminous Paving Co., 54 University Ave., Toronto, bitulithic, $3.58 per yd.; B. Brault Ltd., Montreal, asphaltic concrete, $3.60, sheet asphalt, $3.94; Sicily Asphaltum Paving Co., 60 St. Viateur St. E., Montreal, asphaltic concrete, $3.74, sheet asphalt $4.14.

CONTRACTS AWARDED

Connecticut—State Hy. Dept., Hartford, paving 30,900 lin.ft. Green Farms Rd., in Westport, and 1,750 lin.ft. South Main St., in Winsted, both plain cement concrete, to Connecticut Hassam Paving Co., 902 Chapel St., New Haven, $131,399 and $10,870 respectively; 3,350 lin.ft. Hartford-Springfield Rd., in Suffield, plain cement concrete, to Lane Constr. Co., 37 Colony St., Meriden, $15,355; 2,730 lin.ft. Pond Rd. in Cromwell, 2 in. bituminous trap rock macadam on 7 in. trap rock, to L. Suzio Constr. Co., State St., Meriden, $9,293; 3,700 lin. ft. Post Rd. in Stamford and Darien, plain cemen concrete, to W. H. Arthur, Crescent St., Glenbrook, $33,540. Noted May 18.

Conn., Milford—Paving North, Broad, Gulf, Daniel and West River Sts., asphalt, to Connecticut Natl. Pavements, Inc., 147 Orange St., New Haven, $45,277. Noted March 2.

N. Y., Albion—Will pave Washington and West Academy Sts., concrete, by day labor, under supervision of village superintendent of streets. $30,000.

N. Y., Brooklyn—Dept. Parks, Municipal Bldg., New York, repairing roadway pavement on parkways and park roads, here, for year 1922, to Sicilian Asphalt Paving Co., 41 Park Row, New York, $45,746. Noted June 1.

N. Y., Buffalo—Paving Poultney St., to Rock Asphalt & Constr. Co., Morgan Bldg.,

Streets and Roads (Continued)

$13,927; Biscoe Ave., to H. P. Burgard Co., 1968 Fillmore Ave., $18,675, both specification "B" standard asphalt on concrete. Engrs. est. $40,000.

N. Y., **Lockport**—Niagara Co. to C. B. Whitmore Co., Lockport, paving Exchange St., $3,767, Garden St., $17,340, Chapel St., $3,036, North Adam St., $3,600, Cleveland Pl., $5,890, brick and asphalt.

N. Y., **Middletown**—Bd. Estimate & Apportionment at city clerks office, City Hall, paving East Main St., to Municipal Constr. Co., U. C. N. B. Bldg., Utica, $68,568. Noted May 4.

N. Y., **New York**—J. Miller, pres. Manhattan Boro, Municipal Bldg., repaving 37th St., to Regan Towers Co., 124 West 12th St., $11,782; West Houston St., to Burnside Contg. Co., 270 Burnside Ave., $14,473; East 68th St., to Asphalt Constr. Co., 208 Bway., $10,967. Noted June 1.

N. Y., **North Tonawanda**—International Ry. Co., 70 West Huron St., Buffalo, and North Tonawanda, paving between tracks on River Rd., here, 5 mi. long, 19 ft. wide, vitr. brick, to Rock Asphalt & Constr. Co., Morgan Bldg., Buffalo. To exceed $200,000.

N. Y., **Rochester**—Bd. Contract & Supply, paving Murray St., to Ribstein-Holter Co., Rochester, engrs. eest. $25,900; Bway., to Whitmore, Rauber & Vicinus, 279 South Ave., engrs. est. $69,800; resurfacing and paving Howard St., to T. Holohan, Rochester, engrs. est. $39,200; Alexander St., to Rochester Vulcanite Pavement Co., Rochester, engrs. est. $32,500 all asphalt. Noted April 6.

N. Y., **Seneca Falls**—Bd. Village Trustees paving various streets, to F. W. Foley Constr. Co., Waterloo, $49,040. Engrs. est. $43,000. Noted May 18.

N. Y., **Sodus**—Paving Mill St., Belden and Maple Aves., concrete, to Greece Constr. Co., Rochester, $35,445. Noted April 6.

N. Y., **Syracuse**—Bd. Contract & Supply, resurfacing Midland Ave., to C. T. Hookway, Bastable Bldg., $7,113; Hawley Ave. and paving Hastings Pl., to G. B. Dickison, Union Bldg., $6,094 and $10,870 respectively, all asphalt. Noted May 18.

N. J., **Lakewood**—Lakewood Twp. reconstructing State Highway Route 4 from Tappens Corner to Central Ave., to C. H. Earle, 173 Main St., Hackensack, $105,741. Noted April 27.

N. J., **Morristown**—Morris Co., Court House, paving Sect. 5 State Highway Route 5, Madison Ave., to Northern Constr. Co., East Orange, 88.9% of engineers estimate ($132,651). Noted April 27.

N. J., **Newton**—Sussex Co. grading 3.7 mi. Fredon-Yellow Frame Rd. to Smith Bros., Hackensack, $46,425; paving 2,000 ft. Main St., Sussex Boro, concrete, to J. W. Heller, South Orange Ave., South Orange, 28,892; 1½ mi. Ross Corner-Sussex Rd., concrete, to Kavanaugh & Van Keuren, Sussex, $43,455; furnishing 3,000 ton bituminous concrete for Newton Stanhope Rd., to Highway Impvt. & Repair Co., Montclair, $32,340. Noted May 11.

N. J., **Pitman**—Gloucester Co. (Woodbury), paving 1 mi. Holly Ave., here, to M. Staub, 326 Main St., Swedesboro, $73,269.

N. J., **Toms River**—Ocean Co. constructing State Highway Route 4, Sect. 16, Toms River, to Pub. Serv. Prod. Co, Newark, $62,865; Sect. 4, Route 17, Main St., Barnegat, and Sect. 4, Route 18, Boro of Tuckerton, to R. Sangoviann, Bordentown, $43,748 and $55,339 respectively. Noted May 11.

N. J., **Union Hill**—Hudson Co. (Jersey City), grading and paving ⅝ mi. Hackensack Plank Rd., here, to R. J. Emmer, 150 Nesbit St., Weehawken, $143,626. Noted May 18.

W. Va., **Clarksburg**—Paving East Main St., vitr. brick, to Keeley Constr. Co., Clarksburg, $28,812.

W. Va., **Clarksburg**—Harrison Co., concrete surfacing 1¼ mi. Haywood Rd., 16 ft., to Hole & Auman, Weston, W. Va., $40,840; grading and concrete surfacing 1 mi. McWhorter Rd., 16 ft., to Fuccy Bros., Clarksburg, $29,130.

N. C., **Concord**—For 26,000 sq.yd. asphalt paving, to Blythe Bros., Charlotte, $2.56 per sq.yd.; 3 mi. cement sidewalks, to Walker & Creven, Concord, $1.495 per sq.yd. Noted May 4.

N. C., **Highland**—Paving Main St., bitulithic on concrete to J. N. Bohannon, Highland, $28.000.

Ga., **Atlanta**—Will pave 394 ft. Hurt St. from De Kalb to Euclid Sts., incl. 5,249 sq. yd. concrete, by day labor. H. L. Collier, city engr.

Fla., **Homestead**—Construction, 115000 sq.ft. concrete sidewalk to Viscayne Eng. Co., Biscayne Bank Bldg., Miami, $20,930; 7,200 lin.ft. concrete curb and gutter, to H. C. Daniels, West Palm Beach, $6,120. Noted May 18.

Fla., **Ocala**—City will improve various streets, 59,970 sq.yd. asphalt block, by day labor, $2.72 per sq.yd., J. W. Turner, Lakeland, engr. Noted April 27.

Fla., **St. Petersburg**—Improving various streets, 2400 lin.ft. granite curbing, 7,000 cu.yd. excav., 15,880 sq.yd. new paving, 17,000 sq.yd. to be relaid, to Georgia Eng. Co., Lamar Bldg., Augusta, Ga., $49,412. Noted April 27.

Fla., **St. Petersburg**—Improving various streets, 78,400 lin.ft. granite curbing, 17,000 cu.yd. earth and 2,500 cu.yd. rock excav., 94,380 sq.yd. pavement, to Georgia Eng. Co.. Lamar Bldg., Augusta, Ga., $257,241. Noted April 27.

Alabama—State Hy. Dept., Montgomery, grading and gravel surfacing 5.307 mi. highway from Alexander City to Jacksons Gap, Tallapoosa Co., to R. D. Chambers Constr. Co., West Point, Ga., $60,982; double surface treating with tar 9.17 mi. Decatur-Hartselle Rd., Morgan Co., to Texas Roads Co., Gt. Sou. Life Bldg., Dallas, Tex., $18,481. Noted May 25.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging, roads in following counties: Allen Co., Sect. "L-1" "Beaverdam" and "L-2" Lima-Sandusky Rd., 3.045 mi. brick, to Westrick, Krauss & Shreves, Napoleon, $97,432. Carroll Co., Sect. "A" Carrollton-Malvern Rd., 2.511 mi., brick, to Chester Genl. Constr. Co., East Liverpool, $100,150. Carroll Co., Sect. "B" Carrollton-Malvern Rd., 4.018 mi., brick, to Chester Genl. Constr. Co., East Liverpool, $157,425. Coshocton Co., Sect. "D" Newark-Coshocton Rd., 3.33 mi., brick, to V. C. Smith, 703 Amer. Bldg., Dayton, $125,610. Hancock Co., Sect. "B" Findlay-Kenton Rd., 1.72 mi., bituminous concrete, waterbound base, lake, to H. E. Pratt Co., Mt. Blanchard, $42,758. Medina Co., Sect. "S-1" Ashland-Medina Rd. 2.519 mi., rein.-con., to Crum & Woods, Lodi, $77,931. Morgan Co., Sect. "A-2" Malta-Glouster Rd., 1.261 mi., asphaltic macadam, oil, to Miller & Rothrock, Ada, $48,804. Perry Co., Sect. "H" Zanesville-New Lexington Rd., 3.217 mi., rein.-con., to Newark Paving & Constr. Co., Newark, $102,144. Sandusky Co., Sect. "A" Fremont-Oak Harbor Rd. 3.448 mi., brick, to Modern Constr. Co., Fremont, $114,755. Seneca Co., Sect. "D-2" Columbus-Sandusky Rd., 1.587 mi., lake asphalt macadam, to Central Paving Co., Hamilton, $28,477. Union Co., Sect. "L" Marysville-Marion Rd., 4.403 m. asphaltic macadam, oil, to L. G. Rockholt, West Mansfield, $99,827. Washington Co., Sect. "L" Marietta-Caldwell Rd., 3.727 mi., rein.-con., to Renick & Smith, Columbus, $95,628. Wayne Co., Sect. "P" Akron-Wooster Rd., 2.002 mi., brick, to H. Gilbert, Akron, $56,165. Wayne Co., Sect. "K" Orville-Northern Rd., 3.466 mi., bituminous macadam oil, to T. E. McShaffrey, Forge St., Akron, $105,606. Noted May 25.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties: Carroll Co., Sect. "D" Minerva-Sandyville Rd., 2.915 mi., to Chester Gen. Constr. Co., East Liverpool, brick, $87,719. Richland Co., Sect. "K" Mansfield-Mt. Gilead Rd., 3.476 mi., rein.-con., to J. J. McCartney, Ravenna, $114,857. Richland Co., Sect. "Lexington" Mansfield-Mt. Gilead Rd., 0.588 mi., rein.-con., to J. J. McCartney, Ravenna, $31,144. Trumbull Co., Sect. "Q" Warren-Sharon Rd., 2.55 mi., concrete, to H. P. Streicher Co., 319 Terminal Bldg., Toledo, $44,514. Ross Co. Sect. "V", "N" and "W" Columbus-Portsmouth Rd., bridge, to Chillicothe Constr. Co., $5,143. Ross Co., Sect. "X" Columbus-Portsmouth Rd., repairing bridge and culverts, to Chillicothe Constr. Co., $12,934. Ross Co., Sect. "Y" Columbus-Portsmouth Rd., constructing bridges and culverts, to Chillicothe Constr. Co., $4,227. Ross Co., Sect. "Z" Columbus-Portsmouth Rd., bridges and culverts, to Chillicothe Constr. Co., Chillicothe, $10,361. Noted May 25.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving Sect. "A-1" Sidney-Bellefontaine Rd., Shelby Co., rein.-con., to F. E. Milligan, Sidney. $78,767. Noted May 18.

O., **Akron**—Paving Market and Beacon Sts., brick and asphalt, to T. E. McShaffrey, Forge St., $44,147 and $20,032 respectively; grading and laying cement sidewalks on Bittaker St., to M Kalan, Akron, $7,037; Montrose Ave., to S. F. Baker, Akron, $13,033.

O., **Cleveland**—Cuyahoga Co. paving Pleasant Valley Rd. 2, to King Bridge Co., foot of East 69th St., $94,110. Noted June 1.

O., **Cleveland**—Repaving St. Clair Ave. from West 3rd to West 9th Sts. and West 6th St. from Lakeside to Superior Aves., 23,550 sq.yd. asphalt, to Cleveland Trinidad Paving Co., The Arcade, $77,696.

O., **Cleveland Heights (Warrensville P. O.)**—Grading, curbing and paving Berkshire, Hampshire, Nottingham and Overlook Lanes, Clarkson and Mornington Rds., to Rieley Bros., The Arcade, Cleveland, $57,631; Superior Rd., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $44,300. Noted May 25.

Wis., **La Crosse**—Will resurface about 4 mi. various streets, old macadam with asphalt and gravel, by day labor. $30,000-$35,000. W. Fries, secy. Bd. Pub. Wks.

Wis., **Milwaukee**—Paving Hadley St. from Sherman Blvd. west, sheet asphalt, to Badger Constr. Co., 97 Wisconsin St., $5,754; Jefferson St. from Huron to Michigan Sts., granite block, to R. H. Gumz, 831 13th Ave., $11,165; 5 alleys to A. E. Retzloff, 948 4th St., $13,036; 1 alley to Bodeman Constr. Co., 801 Winnebago St., $1,262; 9 alleys to F. W. Blodgett, 204 Grand Ave., $18,713; 3 alleys to R. B. Hartman, 4001 Highland Blvd., $7,561; 5 alleys to Rybock & Sadowski, 1092 2nd Ave., $14,292; 4 alleys to M. Switalski, 765 5th Ave., $8,223; 1 alley to G. Czerwinski, 376 16th Ave., $1,281; 2 alleys to J. C. Bluhm, 164 Burliegh St., $8,777. All alleys concrete.

Wis., **Waukesha**—Waukesha Co. surfacing extension of Geneva-Eagle Rd. on State Trunk Highway 59, from Eagle southwest, incl., 12,000 sq.yd. 18 ft. concrete surfacing, 3,500 cu.yd. excav., etc., to P. C. Kroech, 1000 Humboldt Ave., Milwaukee.

Ia., **Bloomfield**—Davis Co. grading 12.177 mi. Federal Aid Project 153, from Appanoose Co. line east through West Grove to here, to Cox Bros., Dike, 170,106 cu.yd. excav. at $0.255 per cu.yd.

Ia., **Clarion**—Wright Co., grading 9.5 mi. Primary Rd. Project 200 from Hamilton Co. line northeast to Primary Rd. 72, to P. E. Shugart, Clarion, 145,239 cu.yd. excav. at $0.247 per cu.yd., Lars Jorgenson, Garner, 60,571 ft. 6 in. tile at $0.099 per ft., 25,830 ft. 8-10-15 in. at $0.14, $0.23 and $0.50; 10 mi. county road system from Woolstock to Dow, to O'Hanlon & Reilly, West Bend, 57,218 cu.yd. excav. at $0.235 per cu.yd., Vincent Clay Products Co., Ft. Dodge, 49,842 lin.ft. 6 in. tile at $0.045 per ft., 3,189 ft. 8 in. at $0.072, G. Westergard, Buffalo Center, tile labor at $0.0485 for 6 in. and $0.06 for 8 in.

Ia., **Decorah**—Winneshiek Co. grading and necessary bridge work on 15.44 mi. Primary Rd. Project 121, 98,859 cu.yd. excav., to Condon & Bolen, 310 Karbach Blk., Omaha, Neb., $39,293, 60,446 cu.yd., to S. J. Groves & Sons, 306 Globe Bldg., Minneapolis, Minn., $26,511, drainage work to W. H. O'Brien Mason City, $10,875, 21 box culverts and extensions and 1 pony truss span, to A. Olson Constr. Co., Waterloo, $15,667, 41 box culverts and extensions and 1 I-Beam, Ward & Teslow, Decorah, $16,748; 4.7 mi. Sect. D, Primary Rd., Project 98, 62,396 cu.yd. earth excav., and 5,222 cu.yd. loose and solid rock, to S. J. Groves & Sons, 306 Globe Bldg., Minneapolis, Minn., at $0.295 per cu.yd. for earth, $0.55 and $1.65 for loose and solid rock, total $25,875, drainage work to Natl. Clay Wks., Mason City, $1,542, and L. Moe, Belmond, $1,833. Noted May 4.

Ia., **Des Moines**—Polk Co., grading and paving 0.987 mi. Primary Rd. Project 258, to Wright Constr. Co., 211 Flynn Bldg., 2,966 cu.yd. excav. at $0.75 per cu.yd., 11,565 sq.yd. Type A concrete pavement $2.445 per sq.yd., 8 tile intakes at $50; grading 4.098 mi. Primary Rd. Project 115, from Ankeny north, to J. H. Miller & Son, Clarinda, 62,237 cu.yd. excav. at $0.228 per cu.yd.

Ia., **Ft. Dodge**—For 11,000 sq.yd. asphaltic concrete pavement and 7,600 lin.ft. curb, in Dist. 7, to Rasmussen & Horrabin Co., 1422 Walnut St., Des Moines, $2.99 per sq.yd. for pavement.

Ia., **Kingsley**—For 23,000 sq.yd. concrete paving, to Booth & Olsen, 120 Virginia St., Sioux Falls, S. D., $1.97 per sq.yd. Noted May 11.

Ia., **Montezuma**—Poweshiek Co., grading 16 mi. River-to-River Rd., Federal Aid Project 174, to Shirley Constr. Co., Omaha, Neb., 168,040 cu.yd. excav. at $0.24 per cu.yd.; What Cheer Clay Products Co., What Cheer, 48,377 ft. 6-12 in. tile, $3,637; W. A. Gladwin, Ladora, tile labor $3,538. Noted May 18.

Minn., **Crookston**—Polk Co., 10 mi. Job 2202, State Rd. 2, 90,552 cu.yd. excav., 51,228 cu.yd. overhaul, culverts, and 3 bridges, to L. Crown, Thief River Falls, and Moen & Solen, Thief River Falls, $11,425 and $9,167 respectively; 5 mi. Job 2201 State Rd. 1, 50,178 cu.yd. excav. 45,604 cu.yd. overhaul, culverts, to Moen & Solen, Thief River Falls, $11,607; 5.6 mi. Job 2104, State Rd. 9, 28,080 cu.yd. excav., 20,531 cu.yd. overhaul, culverts, to P. D. Roark, Thief River Falls, $8,987. Noted May 4.

Minn., **Duluth**—Paving 5,200 ft. 4th Alley from Lake Ave. to 13th Ave. E., 9,250 sq. yd. concrete, 3,200 cu.yd. earth and 50 cu. yd. rock excav., 11,000 ft. 3 in. drain tile, to C. R. McLean, 515 South 21st Ave. E., $27,235.

Streets and Roads (Continued)

Minn., Ivanhoe—Lincoln Co., 18 mi. Job 2201, 94,262 cu.yd. excav., to Enke Constr. Co., Lake Benton, $19,770; 2,238 lin.ft. 12-36 in. corrugated metal culverts, to Lyle Culvert & Road Equipment Co., 171 27th Ave., S. E., Minneapolis. Noted April 20.

Minn., Moorhead—Paving 20 blocks, 22,471 sq.yd. bitulithic, to W. E. Kennedy, Fargo, N. D., $89,089. Noted June 1.

Minn., St. Paul—G. Ries, aud. Ramsey Co., grading and surfacing 2.5 mi. South Robert St. from Dakota Co., Annapolis St. to Mendota Rd. gravel on subgrade, to E. M. Ganley Co., Inc., 1002 Plymouth Bldg., Minneapolis, $75,996. Noted June 1.

Minn., Warren—Marshall Co., 11.5 mi. Job 2202, State Rd. 10, 86,122 cu.yd. excav., to C. Franks, Warren, $0.13 per cu.yd.; 9.7 mi. Job 2206, State Rd. 6, 37,744 cu.yd. excav., to B. F. Benson, Stephen, $0.16 per cu.yd. Noted May 11.

Kan., Emporia—Lyons Co., 3.77 mi. 7 in. concrete slab on Santa Fe Trail, Federal Aid Project 30-C, to F. E. Marsh, Jeffersonville, Ia., $94,388. Noted May 11.

Kan., Kansas City—Wyandotte Co. grading and paving 4.643 mi. Fort to Fort Highway, Federal Aid Project 102, 18 ft., concrete, to Rand Constr. Co., Concordia, $185,452. Noted May 25.

Wyoming—State Hy. Dept., Cheyenne, grading, building culverts and tunnels on 13.4 mi. Big Horn River Canyon Rd., Federal Aid Project 118, Yellowstone Highway, Thermopolis, Hot Springs Co., 20-24 ft., to Utah Constr. Co., 718 McIntyre Bldg., Salt Lake City, Utah, $294,381; grading, gravel surfacing and building structures on 5.7 mi. Granger Cokeville Rd., between Fossil and Nugget, Federal Aid Project 124, Lincoln Co., to W. L. Conneley, Lingle, $50,875; 2.7 mi. Cody-Meeteetse Rd., Federal Aid Project 126, Park Co., to Johnson Constr. Co., Basin, $25,630; 5.8 mi. Garland-Deaver Rd., Federal Aid Project 114, Park Co, road work to Taggart Bros. & Tibbs, Cowley, $71,897, bridges to Levy Constr. Co., Symes Bldg., Denver, Col., $12,445; 6.5 mi. New Castle-Four Corners Rd., Federal Aid Project 117, Weston Co., to R. George, Rozet, $39,233. Noted May 18.

Missouri—State Hy. Dept., Jefferson City, 2.694 mi. road from Miami to Marshall and from Sedalia to Marshall, State Aid Project 20.148, Saline Co., to Diemer-Williamson Constr. Co., Brookfield, $20,950; 2.595 mi. Natl. Old Trails Rd., State Aid Project 20,155, Saline Co., to Hartman Constr. Co., St. Joseph, $9,977; 4.98 mi. road from Lancaster eastward and westward, State Aid Project 20.144, Schuyler Co., to Cameron-Joyce & Co., Keokuk, Ia., $20,805; 4.261 mi. road through Winona, State Aid Project 20,160, Shannon Co., to M. E. Gillioz, Monett, $24,797. Noted May 25.

Missouri—State Hy. Dept. at div. office, Memphis, 4.939 mi. road from Memphis northward and southward, State Aid Project 20.108, Scotland Co., to M. H. and G. H. Turner, Wyaconda, $23,449. Noted April 20.

Tex., Denton—Denton Co., grading and gravel surfacing 8.5 mi. road in Kurm Dist. 4, incl., 150,000 cu.yd. earth excav., 1,500 cu.yd. concrete, 120,000 lb. reinforcing, 20,000 cu.yd. gravel surfacing, to F. P. McElwrath, Corsicana, $83,375. Noted April 13.

Tex., Fredericksburg—Gillespie Co. grading, gravel surfacing and 1 in. bituminous topping 2.04 mi. State Highway 20 Main St. through here, to M. M. Craven, Fredericksburg, $26,387 including 10% for engineering and contingencies. Engrs. est. $27,500. Surfacing 16.94 mi. State Highway 20-A, to Farris & Donaldson, San Marcos, $23,885 work only, including 10% for engineering and contingencies (materials furnished by county). Engrs. est. $30,000.

Tex., Kaufman—Kaufman Co. surfacing 25.4 mi. State Highway 40, to S. E. Finley, c/o Finley Method Co., Atlanta, Ga., $42,430; 11,811 cu.yd. cover material and 251,146 gal. asphalt road oil furnished by Kaufman Co., at cost $65,525. Engrs. est. including 10% for engineering and contingencies, $118,750.

Tex., McKinney—Collin Co. surfacing 24.9 mi State Highway 6 on Federal Aid Project 98, to Texas Road Co., 1303 Bush Bldg., Dallas, $21,652; 5117 cu.yd. Joplin chats to Bull & Dexter, Dallas, $17,900. Engrs. est. $43,507 including material and 10% for engineering and contingencies.

Colorado—State Hy. Dept., Denver, concrete paving 0.944 mi. Denver-Morrison Rd., Federal Aid Project 30, Jefferson Co., to Peterson Shirley & Gunther, 737 First Natl. Bank Bldg., Denver, $37,089. Noted May 18.

Idaho—State Hy. Dept., Boise, grading and structures on North and South Highway, Federal Aid Project 51, Adams Co., 221,000 cu.yd. earth and 51,400 cu.yd. rock excav., 95,000 sta.yd. overhaul, 850 cu.yd. concrete, 48,100 lb. reinforcing, etc., to Morrison & Knudson, Railroad and Reclamation Ave., Boise, $134,973. Engrs. est. $150,000.

Wash., Newport—Pend Oreille Co., 4 mi. grading and graveling and 7 mi. graveling on Pend Oreille Highway from Cusick to Locke, 37,510 cu.yd. earth and 1,170 cu.yd. rock excav., 3,600 ft. piling, to C. E. Davison, Roundup, Mont., $47,962.

Wash., Seattle—Paving Hudson Ave. et. al., 26,600 sq.yd. 6 in. concrete, 2,075 ft. asphaltic concrete and 14,250 ft. concrete curbing, to J. L. Smith, Pioneer Bldg., Seattle, $77,421. Noted May 11.

Wash., Walla Walla—Grading and surfacing with two-course crushed rock, 7 in. deep, 12 mi. Donahue Rd. from Prescott to Eureka, 296 cu.yd. concrete, 78,002 cu.yd. earth and 14,744 cu.yd. solid rock excav., 21,586 sq.yd. crushed rock surface, 2,288 ft. 12-36 in. concrete pipe, to Pacific Coast Paving Co., Perkins Bldg., Tacoma, $93,820.

Wash., Yakima—Yakima Co., paving 4 mi. Inland Empire Highway from Buena to Dalton, 56,714 sq.yd. concrete, 1,550 lin. ft. concrete gutter, 29,530 cu.yd. earth excav., 13,330 ft. 6 in. tile drain, etc., to Rich & Marcus, Missoula, Mont., $167,004; grading and surfacing 3 mi. Inland Empire Highway from Dalton to Grainger, 5,260 cu.yd. crushed gravel, 33,910 cu.yd. earth and 790 cu.yd. loose rock excav., to Campbell-Wiltse Co., Sunnyside, $31,773. Noted May 4.

California—State Hy. Dept., Sacramento, grading 5.8 mi. highway between Three Rivers and Sequoia Natl. Park, Tulare Co., to Nevada Constr. Co., Fallon, Nev., 113,000 cu.yd. excav. at $0.94, 285 cu.yd. Class A Portland cement concrete $30, etc., total $121,174; paving with bituminized macadam 17.2 mi. highway between Junction Pumping Station and Hart, Kern Co., to Kaiser Paving Co., Oakland, 40,000 cu.yd. excav. at $0.40, 65,400 ton broken stone (bituminized macadam) $5.20, 970 ton asphalt grade E spread (bituminized macadam) $20.50, 50 cu.yd. Class A Portland cement concrete, $30, etc., total $380,322; paving with Portland cement, concrete shoulders and asphaltic concrete surface, 10 mi. road between easterly boundary and Greenville, Alameda Co., to Oakland Paving Co., 5000 Bway., Oakland, 7,310 cu.yd. Class A Portland cement concrete (shoulders and repairs to old base) $5.66, 975 cu.yd. removal of broken concrete in existing base $2, 14,220 ton asphaltic concrete surface $3.86, total $98,214; surfacing with asphaltic concrete 10.9 mi. between Sects. 29 and 30, U 31 S. R. 28 E, M. D. B and M, and Bakersfield, to Federal Constr. Co., Call Bldg., San Francisco, $59,466. Noted May 4 and June 1.

Cal., Carmel-By-The-Sea—Paving and installing sewers in Ocean Ave., 5 in. concrete, to S. Ruthven, 122 Pearl St., Monterey, $27,985.

Cal., Fresno—Improving Montecito Ave. between Hazelwood and 4th Sts., to California Street and Road Impvt. Co., Bank of Italy Bldg., $28,024. Noted June 1.

Cal., Salinas—To W. A. Dontanville, Gilroy, paving various streets as follows; San Luis St. from Main to Front Sts., 5 in. concrete, $15,186, Winham St. from South Main to California Sts., 4 in. concrete, and Harvest St. from South Main to California Sts., 4 in. concrete, $18,081.

Cal., San Diego—San Diego Co. concrete paving 2.21 mi. Julian Rd., to Riley & Peterson, c/o Bd. Supervs., San Diego, $46,592. Noted April 13.

Cal., San Francisco—City and San Francisco Co., improving Market St. between Mono and 24th Sts., to A. J. Raisch, 46 Kearny St., $71,873. Engrs. est. $70,000. Noted June 1.

Cal., San Rafael—Marin Co., to S. P. Brownlee, 22nd and A Sts., paving San Pedro Rd., 1½ in. warrenite on 2½ in. asphaltic concrete, Sect. 1, $17,708, Sect. 2, $12,495; portion of Culloden Ave., warrenite bitulithic on crushed rock, $5,560; Petaluma Ave., (Cemetery Rd.), $11,793; paving in Town of Marshall, $2,890.

Industrial Works

PROPOSED WORK

Me., Lewiston—Lewiston Bleachery & Dye Wks., Lisbon St., soon lets contract 3 story, 40 x 110 ft. brick and concrete addition to plant. $45,000.

Me., Portland—Confederated Home Abbatoir Corp. plans meat-packing and refrigerating plant. $500,000. Architect not announced.

N. H., Concord—Utilities Power Co. plans hydro-electric power plant and dam on Pemigewassett River. $1,000,000. Engineer not announced.

R. I., Providence—Power & Mayer Mfg. Co., 150 Chestnut St., having plans prepared by Perry & Whipple, archts. and engrs., R. I. Hospital Trust Bldg., 2 story, 90 x 90 ft. brick and steel addition to jewelry factory, Chestnut and Elm Sts. $50,000.

R. I., Woonsocket—Peerless Dyeing & Finishing Co., c/o Woonsocket Spinning Co., plans two 1 story brick and timber dye houses, Fairmount St. $50,000. Private plans.

N. Y., Glendale—V. and O. Press Co., Dry Harbor Rd., soon takes bids 1 story, 100 x 500 ft., brick, steel and concrete factory, plain foundation, Cooper Ave. along tracks of Long Island R.R.

N. Y., Long Island City—J. Butler, Inc., 390 Washington St., New York, having preliminary plans prepared by W. Higginson, archt. and engr., 21 Park Row, New York, rein.-con. and steel warehouse, concrete pile foundation, Mount St. and Anable Ave., here. $1,750,000.

N. Y., Lowville — Silicia Products Co., Inc., plans plant, North State St. $100,000. Architect not announced.

Pa., Enola—Penna R.R., Broad St. Sta., Phila., plans 1 story, 100 x 600 ft. brick and steel repair shops, plain foundation. $500,000. A. C. Shand, Broad St. Sta., Phila., engr.

Pa., McKees Rocks—Chesebrough Mfg. Co., 17 State St., New York City, having plans prepared by Hunting-Davis Co., archts., Century Bldg., Pittsburgh, 2 and 3 story, 143 x 195 ft. warehouse, power house, etc. Stowe Twp. $500,000.

Pa., Phila—S. Kaplan, archt., 929 Market St., soon takes bids 2 story, 94 x 100 ft., brick and steel garage, plain foundation, 910-918 Spring St. $40,000. Owner's name withheld.

Pa., Phila.—Sax & Hilbert, engrs., Penfield Bldg., soon take bids 4 story, 100 x 133 ft. rein.-con. and brick factory, plain foundation, Memphis and Eyre Sts., for A. J. Reach Co., Tulip and Palmer Sts. $200,000.

Pa., Reading — Central Abattoir Co., Chestnut St., had plans prepared by Himmelsbach & Schlich, archts. and engrs., 3 story, concrete, brick and steel addition to plant, plain foundation, Chestnut St. $125,000.

N. C., Winston-Salem—Bailey Bros., having plans prepared by Lockwood, Greene & Co., archts., Charlotte, 5 story, 63 x 154 ft., concrete factory. $100,000.

Fla., Homestead—Election soon to vote on $50,000 bonds for addition to electric light plant. B. M. Duncan, Homestead, engr.

Fla., Jacksonville — T. B. Elton, Mgr. Florida Fly Exit Screen Co., opens bids in about 40 days, 1 story, 50 x 150 ft., brick and concrete factory. Cost incl. equipment, $50,000.

Ohio—See "Buildings."

O., Canton—Pearl Motor Car Co., plans 2 story, brick and concrete garage, 18,000 sq.ft. floor space exclusively for sales, 6th and Market Sts. $175,000.

O., Cleveland—J. L. Free Co., 1004 Prospect Ave., had plans prepared by Watson Eng. Co., archts. and engrs., Cook Bldg., 2 story, 110 x 110 ft., rein.-con. and brick garage, Prospect Ave. $75,000.

O., Cleveland—Ingraham Waste & Supply Co., 1539 Columbus Rd., plans 2 story, brick and steel factory and warehouse, 1450 Hamilton Ave. $50,000. Architect not selected.

O., Cleveland—Ohio Crank Shaft Co., 982 East 152nd St., had plans prepared by W. J. Wefel, archt., 1836 Euclid Ave., 1 story, 60 x 200 ft., brick and steel factory, 6600 Clement Ave. $60,000.

O., Cleveland—Power Impvt. Co., 928 Williamson Bldg., having plans prepared by G. E. Peterson, archt., 928 Williamson Bldg., altering and building 3 story, brick, steel and concrete power and factory addition, Cedar Ave. and Ashland Rd. $350,000. C. F. Fox, pres.

O., Cleveland—York Ohio Ice Machine Co., 1106 Woodland Ave., had plans prepared by E. McGeorge and A. G. Simon, archts., 1900 Euclid Ave., 1 and 2 story, 100 x 132 ft., brick and steel warehouse, factory and office building, West 28th St. and Washington Ave. $60,000.

O., Euclid—O. E. Brown, c/o Elf Motor Co., 7000 Euclid Ave., Cleveland, plans 1 story, brick and steel garage, here. $40,000. Private plans.

Ind., Kokomo — Kokomo Gas Co., 117 West Sycamore St., plans gas plant. $500,000. Kopper Co., Union Arcade Bldg., Pittsburgh, Pa., engrs.

Ill., Chicago—J. S. Hoffman Co., Franklin and South Water Sts., plans 6 story, 95 x 100 ft., warehouse, rein.-con., brick and steel, Orleans and Illinois Sts. $250,000. Architect not selected.

Ill., Chicago—Roberts & Oakes, 141 West Jackson Blvd., plans rein.-con., brick and steel packing plant, Racine Ave. and 45th St. $500,000. Architect not selected.

Industrial Works (Continued)

Wis., Milwaukee — Claybourn Process Corp., c/o H. J. Esser, engr. and archt., 82 Wisconsin St., completing plans 1 story, 30 x 80 ft. brick and steel boiler room, and 1 story, 100 x 182 ft. brick and timber administration building, Humboldt Ave.

Wis., Pittsville—P. A. Hagen, Marshfield, plans 1 and 2 story, 75 x 80 ft., brick, rein.-con. and steel garage and repair shop, plain foundation. $50,000. Architect not selected.

Wis., Waukesha—The Spring City Auto Co., 220 West Main St., having revised plans prepared by M. F. White, archt., 68 Wisconsin St., Milwaukee, 1 story, 34 x 150 ft. garage addition, brick and concrete, plain foundation. $40,000.

S. D., Huron—Plans to increase capacity of light and power plant, install street lighting system, 1 Diesel engine, etc. $100,000. J. H. A. Brahtz, 409 Metropolitan Opera House Bldg., St. Paul, Minn., engr.

Tex., Garford—Weatherford-Brazos Refining Co. plans large refinery near here. $200,000. Architect not announced.

California — Hurley Machine Co., West 22nd and South 54th Ave., Cicero, Ill., plans electrical manufacturing plant along Pacific Coast, here. Site not yet purchased. $1,000,000.

Cal., Colusa — California Prune and Apricot Growers, Market and San Antonia Sts., San Jose, prepared plans 1½ story frame and brick packing plant, Coopers Extension Tract, here. $125,000. Private plans. Noted March 30.

Cal., Oakland—Tribune Publishing Co., Oakland Tribune Bldg., having sketches prepared by E. T. Foulkes, archt., Crocker Bldg., San Francisco, plant and office building, probably 15 story, 13th and Franklin Sts.

Cal., San Francisco—L. R. Lurie, Flatiron Bldg., having plans prepared by O'Brien Bros. Inc., archts., 240 Montgomery St., 1 story printing plant, rein.-con., Howard St. near 5th St. Leighton Press, 516 Mission St., lessee.

Ont., St. Marys—Hurlbutt Shoe Co. having plans prepared by W. Steele & Sons, archts. and engrs., Ryrie Bldg., Toronto, 2 story, 50 x 60 ft. rein.-con., brick and steel addition to factory. $40,000.

Ont., Toronto—Coca-Cola Co., 65 Bellwoods Ave., plans 2 story, 100 x 260 ft. brick and steel plant. $200,000. Architect not appointed.

BIDS DESIRED

Mass., East Cambridge (Boston P. O.)—Boston & Maine R.R., North Station, Boston, taking bids 1 story, 80 x 250 ft. brick, steel and rein.-con. repair shop, along Miller River, here. $100,000. A. B. Cortnell, ch. engr.

N. Y., Peekskill—June 21, by State Bd. Armory Comrs., 158 State St., Albany, stable, State Camp of Instruction near here. F. W. Ward, secy.; adv. this issue.

N. Y., Perrysburg—See "Buildings."

N. J., Mt. Holly—Folson & Stanton, archts., 10 South 18th St., Phila., taking bids 1 story, 40 x 100 ft., brick and steel garage, plain foundation, here, for W. D. Marren. $40,000.

N. J., Perth Amboy—Standard Underground Cable Co., 50 Church St., New York, taking bids 3 story, 50 x 150 ft., brick and steel factory, Washington St., here. H. J. Lewis, 336 4th Ave., Pittsburgh, Pa., engr.

Pa., Phila.—W. F. Newberry Co., engrs., Otis Bldg., receiving bids 1 story, 70 x 200 ft. and 20 x 25 ft. brick and steel factory, plain foundation, Front and Olney Aves., for Heinz Mfg. Co., 2120 West Tioga St. $80,000.

Pa., Phila.—Osman & Holman, 121 West Wyoming St., receiving bids 2 story, 89 x 125 ft. brick and steel garage, plain foundation, Green St. and Queen Lane. $60,000. Private plans.

O., Cleveland — Independent Towel & Supply Co., 1822 Central Ave., taking bids 1 and 3 story, 80 x 100 ft. and 70 x 90 ft., brick, steel and concrete laundry and garage. $100,000. Christian, Schwarzenberg & Gaeda, 1900 Euclid Ave., archts. Noted May 5.

O., Cleveland — Penton Publishing Co., 1136 Chestnut Ave., taking bids 9 story, 135 x 135 ft., brick and rein.-con. publishing plant, West 3rd St. and Lakeside Ave. $500,000. G. F. Burrows, 627 Hanna Bldg., engr. Noted March 30.

Ill., Chicago—G. S. Kingsley, archt., 109 North Dearborn St., receiving bids 1 story, 125 x 150 ft., garage, rein.-con., brick and steel, 3301-3309 North Halsted St., for G. Wittbold Co., 745 Buckingham Pl. $90,000.

Ill., Chicago—Mundie & Jensen, archts., 139 South La Salle St., receiving bids 1 and 2 story, 157 x 299 ft. and 30 x 299 ft. storage building and garage, rein.-con., brick and steel, Lawrence Ave. near Western Ave., for Fair Department Store, State and Adams Sts. $230,000.

Wis., Appleton—Wisconsin Traction Heat, Light & Power Co., 780 College St., taking bids 1 story, 50 x 86 ft. garage, service station and repair shop, brick, rein.-con. and steel, plain foundation. $45,000. D. C. Beaulier, Appleton, engr.

Wis., Beloit—J. H. Saris, 412 Broad St., taking bids 1½ story, 100 x 130 ft., garage on Broad St. $55,000. J. T. Hetherington & Son, 38 South Dearborn St., Chicago, archts.

Wis., Manitowoc—A. M. Richter Sons Co., South 8th and Madison Sts., taking bids 3 story, 91 x 109 ft., brick, rein.-con. and steel factory, plain foundation. $60,000. L. I. Pentzien, Savings Bank Bldg., archt.

Wis., Milwaukee—M. Tullgren & Sons, archts., 425 East Water St., receiving bids and opens same about June 12, 5 story, 100 x 150 ft., brick and concrete garage, plain foundation, 6th St., for Sixth Street Garage Co., c/o architects.

Minn., Minneapolis—June 19, by J. A. Ridgway, secy. Bd. Park Comrs., 3 story, 43 x 144 ft. brick and tile shops and warehouses, Lyndale and Farmstead Sts. $75,000. Magney & Tusler, 126 South 9th St., archts.

Cal., Dinuba—Sun Maid Raisin Growers, Holland Bldg., Fresno, receiving bids 80 x 140 ft. packing plant, here. Trewhitt-Shields Co., Rowell Bldg., Fresno, archts.

BIDS RECEIVED

N. Y., New York—G. H. Whalen, comr. Plant & Structures, Municipal Bldg., opened bids May 29, housing station and destructor, at 56th St. and 12th Ave., for Dept. Street Cleaning, from Willetts Constr. Co., 280 Madison Ave., $299,700; Lustig & Weil, 103 Park Ave., $346,496; Kelly & Kelley, 12th St. and Vernon Ave., Long Island City, $349,000. Noted May 25.

N. Y., New York—Transit Comn., 49 Lafayette St., opened bids June 5, 2nd addition to existing shops on Lenox Ave. and West 148th St., from Bainbridge Constr. Co., 52 Vanderbilt Ave., $297,000; J. Schlesinger, Inc., 259 West 30th St., $313,000; Mason & Hanger, 52 Vanderbilt Ave., $316,000. Noted May 25.

CONTRACTS AWARDED

Me., Rumford—Oxford Paper Co., 2 story, brick and steel addition, plain foundation, to J. H. Kerr, Rumford. Engrs. est. $50,000.

N. H., Laconia—Pitman Mfg. Co., Laconia, 3 story, 65 x 100 ft. brick and steel dyehouse, to W. M. Bisson, 40 Jackson St. Engrs. est. $60,000. Noted May 11.

Mass., Easthampton — Hampton Co., Pleasant St., 5 story, 70 x 100 ft. addition to cotton mercerizing plant, brick, steel and rein.-con., to F. T. Ley & Co. Inc., 499 Main St., Springfield. Engrs. est. $300,000.

Mass., Salem—Hygrade Lamp Co., 60 Boston St., 4 story, 50 x 100 ft. brick and steel factory, to E. H. Porter Co., 15 Wallis St., Peabody. Engrs. est. $75,000. Noted March.

Mass., Westfield—Foster Machine Co., South Broad St., 1 story, 80 x 120 ft. factory addition and three 30 x 50 ft. structures, brick and steel, plain foundations, to H. P. Cummings Constr. Co., 14 Prospect St., Ware. Archts. est. $40,000.

R. I., Providence—Winsor & Jerauld Mfg. Co., 223 Harrison St., 1 story, 50 x 150 ft. factory addition, with 20 x 60 ft. ell, brick and timber, plain foundation, to C. I. Bigney Constr. Co., 357 Westminster St. Engrs. est. $40,000.

N. Y., Brooklyn — Studebaker Corp. of America, 1700 Bway., New York, 3 story, 190 x 220 ft. service building, brick, steel and stone, Dean St., to United Fireproofing Co., 8 West 48th St., New York. Archts. est. $275,000.

N. Y., Webster—Webster Co-operative Cold Storage Assn., rein.-con. plant, to F. T. Ley Co., 19 West 44th St., New York, $200,000.

N. Y., Yonkers—A. Smith & Son, Elm Ave., 4 story, 16 x 206 ft., brick, steel and concrete plant addition, plain foundation, to Barney-Ahlers Constr. Corp., Inc., 110 West 40th St., New York. Engrs. est. $300,000.

N. J., Atlantic City — Philadelphia & Reading R.R., Reading Terminal, Phila., 2 story, 71 x 100 x 157 ft., rein.-con. and brick warehouse, plain foundation, Baltic and Delaware Aves., here, to U. G. Robinson, 400 Atlantic St., Atlantic City. Noted May 11.

N. J., Delair—Kieckhofer Container Co., Thorne and Cooperwood Sts., Camden, 1 and 2 story, rein.-con., brick and steel factory, plain foundation, here, to Irwin & Leighton, 126 North 12th St., Phila. $500,000.

Pa., Danville—State Hospital, 150 x 300 ft. power house, to McClintic-Marshall Co., Oliver Bldg., Pittsburgh.

Pa., Phila. — Commercial Trunk Co., Hunting Park and Rising Sun Ave., 3 story, 160 x 175 ft. rein.-con. and brick garage and service station, plain foundation, Franklin Sq., to W. Steele & Sons, 16th and Arch Sts., $500,000.

Pa., Phila.—Dearnley Bros., Chelten and Baynton Sts., 3 story, 74 x 98 ft. brick and steel factory, plain foundation, to Hughes-Foulkrod Co., Commonwealth Bldg.

Pa., Phila.—H. B. Kahn, 11th and Filbert Sts., 6 story, 111 x 170 x 230 ft. rein.-con. and brick warehouse, plain foundation, Gleenwood and Oxford Sts., to Nelson-Pedley Constr. Co., 1615 Spruce St. Archts. est. $350,000.

Pa., Phila.—Phila. Electric Co., 1000 Chestnut St., will build 2 story 66 x 114 ft. brick and steel substation, plain foundation Federal and 6th Sts. J. T. Windrim, Commonwealth Bldg., engr.

Pa., Phila.—Philadelphia Electrical Co., 10th and Chestnut Sts., 5 story, 31 x 46 ft. addition to power house, to Stone & Webster Co., 147 Milk St., Boston, Mass., $75,000.

D. C., Wash.—R. Nash, c/o U. S. Plager, archt., 1930 Kearnry St., N. E., storage warehouse, to Standard Eng. Co., Munsey Bldg., $100,000.

Va., Norfolk—See "Miscellaneous."

W. Va., Huntington—Perry Norvell Shoe Co., Huntington, general contract 6 story, brick, steel and stone factory, Guyan and 25th Sts., to Wickersham Constr. Co., Harrisburg, Pa.

W. Va., Parkersburg—Seward Wire Co., 17 West 42nd St., New York, general contract 1 story, 60 x 80 x 200 ft., plant, here, to Plate & Vogel, Parkersburg. Noted May 18.

Tenn., Chattanooga—Somerville Iron Wks., North Chattanooga St., 1 story, 150 x 300 ft., brick and steel foundry, 2 story charging and 1 story 30 x 80 ft. rattler building, to H. K. Ferguson Co., 6523 Euclid Ave., Cleveland, O.

O., Canton—Hygenic Products Co., 715 Walnut Ave., S. E., 2 story, 50 x 70 ft., brick and steel factory, to F. Landor, Renkert Bldg. Archts. est. $40,000. Noted May 18.

O., Cleveland—Ferro Machine & Fdry. Co., 3166 East 66th St., 1 story, 66 x 160 ft., warehouse and machine shop, brick, steel and concrete, plain foundation, to H. K. Ferguson Co., 6523 Euclid Ave. Archts. est. $50,000.

O., Cleveland—R. Haldi, 10020 Detroit Ave., 1 story, 60 x 80 ft., brick and steel garage, to J. Demshar, 210 6th St. Clair Bldg. Archts. est. $40,000.

O., Cleveland—Ward Baking Co., c/o J. B. Arthur, St. Marys St. and Southern Blvd., New York, 3 and 5 story, 240 x 315 ft., brick, steel and concrete bakery, East 45th St. and Windsor Ave., here, to Lundoff-Bicknell Co., 5716 Euclid Ave. Archts. est. $500,000. Noted March 16.

O., Columbus—M. C. Lilly Co., Long and 6th Sts., 3 story, 65 x 75 ft., brick and concrete factory, East Long St., to J. W. Heckart, Ruggery Bldg., $40,000.

O., Youngstown—C. B. Comstock, archt. and engr., 110 West 40th St., New York, 3 story, 114 x 231 ft., rein.-con., brick and steel bakery, here, to Lundoff-Bicknell Co., 5716 Euclid Ave., Cleveland, for Ward Baking Co., Southern Blvd. and St. Marys St., New York. Archts. est. $250,000. Noted May 11.

Wis., New London—Hamilton & Sons Canning Co., 2 story, 50 x 75 ft. canning factory, brick and rein.-con., plain foundation, to V. Thomas, Main St. Engrs. est. $45,000. Noted April 27.

Wis., Prairie du Chien—Campion College will build central heating plant, brick and concrete, plain foundation, by day labor; heating, to Thomas Heating Co., 846 Grand Ave., Racine; 3 boilers to Kewanee Boiler Co., Kewanee, Ill. Engrs. est. $80,000.

Wis., Racine—Wright Rubber Products Co. general contract 1 story, 60 x 120 ft., brick and rein.-con. factory, plain foundation, Layard St., to G. Kamm, 1019 Hamilton St.

Wis., Wausau—D. J. Murray Mfg. Co. 1 story, 60 x 228 ft. brick and steel addition to machine shop, plain foundation, to Wausau Iron Wks., Wausau. Noted May 11.

Industrial Works (Continued)

Minn., Moorhead—Moorhead Storage & Transfer Co., c/o L. Wright, pres., Moorhead, general contract, 4 story, 100 x 200 ft. brick and concrete warehouse, Front and 10th Sts., to Meinecke-Johnson, Fargo, N. D., $80,000. Noted May 18.

Cal., Emeryville—Peck & Hills Furniture Co., Hubbard and Park Sts., Oakland, 3 story, 100 x 150 ft., brick and concrete warehouse, here, to Lawton & Vezey, 357 12th St., Oakland, $42,500. Noted May 18.

N. S., Halifax—Hillis & Son, 209 Hollis St., foundry, to Nova Scotia Constr. Co., 159 Upper Watter St. Engrs. est. $50,000.

Ont., Bowmanville—Thomson Knitting Co., 2 story, 50 x 150 ft. concrete and steel factory, to H. L. Quinn, Bowmanville. $100,000. Noted May 25.

Buildings

PROPOSED WORK

Mass., Beverly—High School—Bd. Educ., c/o H. A. McDonald, chn. building com., plans 3 story brick and steel. $750,000. Adden & Parker, 177 State St., Boston, archts. Noted June 1, 1921.

Mass., Medford—High School—Bd. Educ. plans 3 story Junior High School. $300,000. J. S Liland Co., 41 Mt. Vernon St., Boston, archts.

Mass., Springfield — Theatre, etc. — W. Fox Amusement Co., 130 West 46th St., New York, plans theatre, here. $750,000. Architect not announced.

Conn., New Britain—Trade School—E. C. Goodwin, chn. building com., having plans prepared by M. J. Unkelbach, archt., 162 Main St., 3 story, brick and steel. $150,000.

Conn., Watertown—Church—Christ Protestant Episcopal Church, c/o H. H. Hemingway, chn. building com. plans 1 story, stone. $150,000. Allen & Collens, 40 Central St., Boston, archts.

N. Y., Buffalo—Office and Store—Genesee Properties, Inc., plans 14 story, Main and Genesee Sts. $2,000,000. S. Weed, c/o Weed & Co., 95 Swan St., Surrogate Court Judge L. B. Hart, and N. P. Clement, pres. Citizens Trust Co., 390 Linwood Ave., dirs. Noted March 9.

N. Y., Buffalo—Restaurant and Office—Childs Co., Inc., 323 Main St., plans brick, Main and Mohawk Sts. $150,000. Architect not announced.

N. Y., Jamestown — High Schools — Bd. Educ. having plans prepared by Guilbert & Betelle, archts., 546 Broad St., Newark, N. J., and Ford & Johnson, associated archts., Jamestown, 2 new junior high schools. $750,000. Noted June 1.

N. Y., New York—Apartment—Bendheim Constr. Co., c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., having plans prepared 9 story, 125 x 150 ft., brick, steel and stone, plain foundation, 52nd St. between 3rd and Lexington Aves. $1,000,000.

N. Y., New York—Bank and Office—Bank of United States, 320 5th Ave., having revised plans prepared by L. A. Abramson, archt. and engr., 48 West 46th St., 5 story, 50 x 85 ft., brick, steel and stone, plain foundation, 1765 Madison Ave. $250,000. Noted Nov. 24.

N. Y., New York — High School — Bd. Educ., 500 Park Ave., plans addition to Theodore Roosevelt High School, brick, steel and stone, plain foundation, on 200 x 228 ft. plot, Walton and Gerard Aves. C. B. J. Snyder, Concord St., Brooklyn, archt. and engr.

N. Y., New York—Hotel—One Fourteen East 52nd St. Corp., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., having plans prepared 15 story, 88 x 90 ft., brick, steel and stone, plain foundation, 114-120 East 52nd St. $750,000.

N. Y., New York — Theatre — Occidental Holding Co., c/o E. DeRosa, archt. and engr., 110 West 40th St., having plans prepared brick, steel and stone, plain foundation, Burnside and Walton Aves. $350,000. N. Wilson, pres.

N. Y., Niagara Falls—Hotel—E. Beir and L. Rosenbloom, Falls St., plan hotel, 1st St. and Jefferson Ave. $1,000,000. Architect not announced.

N. Y., Rochester—Club—B.P.O.E., Clinton Ave., having plans prepared by F. Fey, archt., Rochester, 3 story, brick addition. $250,000.

N. J., Trenton—Theatre—G. V. Boyd, 230 Beechwood St., and G. B. Ten Eyck, Broad St. Bank, plans theatre, 3,000 seating capacity. $500,000. Architect not selected.

Pa., Beaver—Hospital—Beaver Co. Hospital Comn., Court House, having plans prepared by Carlisle & Sharrer, archts., Jenkins Arcade, Pittsburgh, for tuberculosis hospital at Huffmeyer Farms, Center Twp. $150,000.

Pa., Johnstown—Theatre—H. J. Krapp, archt. and engr., 114 East 16th St., New York, soon lets contract 2 story, 85 x 135 ft. brick, steel and stone, plain foundation, Franklin and Vine Sts., here, for Schubert Theatre Co. $500,000. Noted May 25.

Pa., Merion—Memorial—Merion Civic Assn. plans 2 story, 180 x 190 ft. stone. $180,000. Karcher & Smith, 34 South 17th St., Phila., archts.

Pa., Phila.—Commercial—I. F. Clark, archt., 23 South 16th St., soon takes bids 2 story, 110 x 225 ft. brick and steel, plain foundation, 11th and Indiana Aves. $150,000. Owner's name withheld.

Pa., Phila.—Office—I. Isen, 915 Walnut St., soon takes bids 5 story, 40 x 110 ft. rein.-con. and brick, plain foundation, 33-37 South 15th St. $300,000. F. Hahn, 1112 Chestnut St., archt.

Pa., Phila.—Synagogue—Tikvas Israel Congregation, 908 Walnut St., soon receives bids 3 story, 58 x 112 ft. brick and steel, plain foundation, 40th and Viola Sts. $150,000. H. H. Klein, 1114 South Penn Sq., archt.

Pa., Phila.—Y. M. C. A., c/o S. E. Jones, 5849 Germantown Ave., soon takes bids 4 story, brick and steel, plain foundation, Germantown Ave. and Haines St. $500,000. Martin & Kilpatrick, 130 South 15th St., archts.

D. C., Wash.—Apartment—Stern & Tomlinson, archts., Continental Bldg., preparing plans apartment. $200,000. Owners name withheld.

D. C., Wash.—Convention Hall—Convention Hall Assn. Co., c/o Milburn Heister Co., archts., 710 14th St., having plans prepared for temporary convention hall, 19th and 20th Sts., New York Ave. and E St. $375,000.

Va., Charlottesville—Church and Sunday School—First Methodist Church having plans prepared by J. Hudnut, archt. and engr., 51 West 10th St., New York, 1 story, brick and stone. $150,000.

Va., Norfolk—Church—First Christian Church, Colonial Ave., receiving competitive plans stone church, Colonial Ave. and 16th St. $150,000. C. M. Watson, pastor.

N. C., Goldsboro—School—Bd. Trustees plans 3 graded schools. W. E. Stroud, secy.

Ohio—Widow and Orphans Home—Army & Navy Union, c/o E. Jeffrey, natl. commander, 1403 West 3rd St., Cleveland, having preliminary plans prepared by H. L. Porter, archt., 1900 Euclid Ave., Cleveland, 1, 2 and 3 story, brick, steel and concrete, incl. hospital, administration building, officers quarters, gymnasium, academic school, library, church, 24 cottages, power house, work shop, farm buildings and athletic field. $5,000,000. E. McGeorge & A. G. Simon, 1900 Euclid Ave., Cleveland, engrs.

O., Cleveland — Apartment — Reliable Building Co., 5126 Woodland Ave., having plans prepared by M. Weis, archt., Union Bldg., 3 story, 94 x 147 ft., brick and steel, Cedar Rd. near Cottage Grove Ave. $150,000.

O., East Cleveland (Cleveland P. O.)—Apartment—L. Katz, 703 Republic Bldg., Cleveland, having plans prepared by A. F. Janowitz, archt., Permanent Bldg., Cleveland, 4 story, brick and steel, Euclid and Van Buren Aves., here. $250,000.

O., East Cleveland (Cleveland P. O.)—Apartment and Commercial—Lynndale Realty Co., Fidelity Mortgage Bldg., Cleveland, having plans prepared by J. F. Steffens, archt., 611 Fidelity Mortgage Bldg., Cleveland, ten 3 story apartment and two 3 story commercial buildings, brick, steel and concrete, 14905 Euclid Ave., here. $1,000,000.

O., Lakewood (Cleveland P. O.)—Apartment—B. Spivack and L. Farbman, 201 Ulmer Bldg., Cleveland, having plans prepared by M. Weis, archt., Union Bldg., Cleveland, 3 story, 83 x 115 ft., brick and metal lumber, Clifton Blvd. and Cook Ave., here. $150,000.

O., Warren—Bank and Office—Trumbull Savings & Loan Co., 102 High St., having plans prepared by Watson Eng. Co., 4614 Prospect St., Cleveland, 10 story, High St. and Park Ave. $250,000.

O., Youngstown—Church—First Baptist Church Assn., Market and Boardman Sts., plans large church with commercial arcade entrance, on opera house site. To exceed $150,000. A. C. Archibald, pastor. Architect not announced.

Ill., Chicago — Apartment — W. W. Ahlschlager, archt., 65 East Huron St., soon receives bids 6 story, 70 x 331 ft., rein.-con., brick and steel, Albion Ave. near Sheridan Rd., for S. H. Newman, c/o architect. $900,000.

Ill., Chicago—Apartment—K. W. Hofberg, c/o P. F. Olsen, archt., 127 North Dearborn St., soon receives bids 3 story, 105 x 130 ft., rein.-con., brick and steel, 1701-13 Wallen Ave. $175,000.

Ill., Chicago—Apartment—N. W. Weber, 630 Cornelia Ave., soon receives bids 3 story, 155 x 170 ft., rein.-con., brick and steel, Madison St. and La Vergne Ave., $300,000. J. S. Aroner & Co., 3004 South Wabash Ave., archts.

Ill., Chicago—Dormitory—H. H. Riddle, archt., 122 South Michigan Ave., takes bids in about 2 months, 4 story, rein.-con., brick and steel, 58th St. between University and Woodlawn Aves., for Chicago Theological Seminary, c/o architect. $500,000. Noted March 10, 1921.

Ill., Chicago—Hotel—Albert Hotel and Building Corp., c/o W. W. Ahlschlager, archt., 65 East Huron St., having plans prepared 10 story, 137 x 150 ft., rein.-con., brick and steel addition, Kenmore and Granville Sts., $1,500,000.

Ill., Chicago—Store and Office—Kocher & Larson, archts., 6250 South Halsted St., soon receive bids 4 story, 72 x 125 ft., rein.-con., brick and steel, Cottage Grove Ave. between 62nd and 63rd Sts., for A. L. Stresenreuter, c/o architect. $150,000.

Ill., Oak Park—Bank and Office—Oak Park Trust and Savings Bank, Marion St., having plans prepared by Hoggson Bros., archts. and engrs., 485 5th Ave., New York, 3 story 90 x 185 ft., rein.-con., brick and steel, on Lake St.

Wis., Kenosha—Hotel and Commercial—B. W. Wilson Co., 105 West Monroe St., Chicago, and Dayton Bros., Orpheum Bldg., Kenosha, having revised plans prepared by W. H. Pruyn, Jr., archt., 122 South Michigan Ave., Chicago, 6 or 8 story, 108 x 110 ft., brick and concrete, plain foundation. Noted March 9.

Wis., Madison—Arcade Store—Madison Realty Co., 1 East Main St., having plans prepared by O. M. Homer, archt. 1 East Main St., 2 story, 88 x 101 ft., brick, rein.-con. and steel, plain foundation, Mifflin St. $150,000.

Wis., Madison — Church, etc. — First Methodist Church, c/o O. W. Taylor, pastor, Wisconsin and Dayton Sts., plans 2 story, 75 x 180 ft., church and auditorium, brick, rein.-con. and stone, plain foundation, Wisconsin St. $160,000. Architect not selected.

Wis., Madison—High School—Bd. Educ., c/o T. W. Gosling, secy., Wisconsin Ave., plans 4 or 6 story, 75 x 250 ft., brick and rein.-con., plain foundation, at west end of city. $300,000-$400,000. Architect not selected.

Wis., Madison—School—Dominican Catholic Fathers Society having plans prepared by F. L. Kronenberg, archt., Carroll Blk., 2 story, 50 x 185 ft., brick, rein.-con. and steel, plain foundation, Hollister St. $150,000.

Wis., Madison—Store—Haswell Furniture Co., c/o C. W. Haswell, 117 State St., plans 4 story, 50 x 125 ft., brick, rein.-con. and steel, plain foundation, Fairchild St. $150,000. Architect not selected.

Wis., Milwaukee—Administration Building—See "Industrial Works."

Wis., Milwaukee—Church—Third Church of Christ Scientist, 1179 16th St., plans brick and tile, plain foundation, Sherman Blvd. $160,000. Architect not selected.

Wis., Milwaukee—Hospital—Milwaukee Co. Bd. Trustees, c/o County Hospital, Wauwatosa, having plans prepared by Armstrong & De Gellecke, archts. and engrs., 122 East 25th St., New York, brick, steel and stone, plain foundation, Grand Ave. and 24th St., here. $1,500,000.

Wis., Milwaukee—Mercantile—Herbst & Kuenzli, archts., 114 Grand Ave., takes bids about June 15, 3 story, 72 x 150 ft., brick, plain foundation, 3rd St., for Garfield Realty Co., c/o architects. $150,000.

Wis., Neenah—High School—Bd. Educ. receiving competitive sketches 4 story, 175 x 250 ft., brick, rein.-con. and steel, plain foundation. $350,000. Architect not selected.

Minn., Minneapolis—Office—Retail Hardware Mutual Fire Insurance Co., 1024 Metropolitan Life Bldg., plans 3 story, 85 x 140 ft. rein.-con., brick and tile, Nicollet Ave. and 24th St. $200,000. T. G. McCracken, secy. Architect not selected.

S. D., Huron—School—Bd. Educ. having plans prepared by Perkins & McWayne, archts., Paulton Blk., Sioux Falls, 3 story, rein.-con., brick, tile and stone. $300,000.

Wyo., Casper—Junior High School—Bd. Educ. plans junior high school. $500,000 bonds voted for project. Garbutt, Weidner & Sweeney, Consolidated Bldg., archts. Noted April 27.

Buildings (Continued)

Wyo., Cheyenne—Church—Bd. Trustees Presbyterian Church takes bids early in summer for church, Carey Ave. and 22nd St. $150,000. Porter & Barreson, 1821 Carey Ave., archts.

Mont., Butte — Lodge — Masonic Temple Assn., having plans prepared by W. W. Smith, archt., 10 Richmond Apts., Butte, and Link & Haire, archts., Helena, 3 story, 90 x 100 ft., rein.-con., brick, tile and stone addition. $200,000. L. A. Smith, pres.

Tex., San Antonio—High School, etc.—June 20, to vote on $2,000,000 bond issue for new school buildings incl. new junior high school. W. H. Hargis, pres. school bd.

Tex., Wichita Falls—Schools—Wichita Falls Independent School Dist. voted $850,000 bonds for new high school, junior college and improvements to existing schools. W. D. Cline, mayor.

Col., Colorado Springs—Hospital—Bd. Hospitals & Homes of Methodist Episcopal Church, c/o G. N. Hanner, supt., having plans prepared by T. Barber, archt., Bank Bldg., for Beth-El Hospital, at 1400 East Boulder St. $200,000.

Col., Denver—Bank—Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., Chicago, preparing plans and soon takes bids 3 story, 63 x 140 ft., here, for Federal Reserve Bank, 10th St. and Grand Ave., Kansas City, Mo. $500,000.

Cal., Fresno—Apartment—M. D. Hermann, St. Andrews Apartments, plans 4 story, J St. $150,000. Architect not selected.

Cal., Hayward—Hotel and Theatre—C. W. Heyer, Mills Bldg., San Francisco, having revised plans prepared by H. H. Meyers, archt., Kohl Bldg., San Francisco, 3 story, rein.-con., Castro St., here. $200,000.

Cal., Hermosa Beach — Auditorium — See "Waterworks."

Cal., Long Beach—Bank—First Natl. Bank, 1st St., plans 1 and 3 story, brick, terra cotta, and steel, 4th and Pine Sts. $250,000. J. and D. B. Parkinson, 420 Title Insurance Bldg., Los Angeles, archts.

Cal., Los Angeles—Loft—Allen & Hillin, archts., 614 Union Bank Bldg., preparing plans 12 story, 150 x 150 ft., rein.-con., 10th and Hope Sts. $1,000,000. Owner's name withheld.

Cal., Mountain View—College and Dormitory—College of St. Joseph of Cupertino plans 4 story, brick and rein.-con., between Mountain View and Los Gatos. $1,250,000. L. J. Devlin, Pacific Bldg., San Francisco, archt.

Cal., Oakland—Office—See "Industrial Works."

Cal., San Francisco—Church—Fourth Church of Christ Scientist, had plans prepared by C. Werner, archt., Humboldt Bank Bldg., rein.-con., 13th Ave. and Clement St. $150,000.

Cal., San Francisco—Schools—City and San Francisco Co. plan to vote on $10,000,000 bonds constructing schools and additions to present buildings. J. Reid, Jr., 1st Natl. Bank Bldg., city archt.

Cal., San Luis Obispo—Hotel and Store—J. L. Anderson, c/o C. A. Meussdorffer, archt., Humboldt Bank Bldg., San Francisco, had plans prepared 5 story, rein.-con., Montgomery and Morro Sts., here. $150,000.

Cal., Santa Monica — High School — Bd. Educ. lets contract in about 80 days for new junior high school. $400,000. H. M. Rebok, supt.

Cal., Santa Rosa—High School—Santa Rosa High School Dist. voted $375,000 bonds constructing high school. Architect not selected. Noted May 11.

Que., Quebec—Court House—Provincial Government, Parliament Bldgs., having plans prepared by I. E. Vallee, Dept. Pub. Wks., E. Tanguay, 20 D'Aiguillon St., O. Beaule, 21 D'Aiguillon St., and J. S. Morisette, 60 Mountain Hill, archts., and soon receives bids 6 story, 100 x 200 ft. stone wing to present court house, St. Louis St. $200,000.

Que., Quebec — Parliament — Provincial Government, Parliament Bldgs., having plans prepared by I. E. Vallee, archt., Pub. Wks. Dept., 6 story, 100 x 300 ft. stone addition to Parliament Bldg., St. Julia St. $500,000.

Ont., Galt — Temple — Masonic Lodges having plans prepared and take bids end of June, 4 story, 100 x 150 ft. brick and steel, Main St. $160,000. Private plans.

Ont., Owen Sound — School — Bd. Educ. having plans prepared by Forster & Clark, archts., 2nd Ave. E., collegiate and technical school. $225,000. Prices wanted on all materials.

Ont., St. Thomas—School—Bd. Educ. having plans prepared by N. R. Darragh, archt., 430 Talbot St., 20 room, concrete, brick and steel, technical and vocational school. $300,000.

BIDS DESIRED

N. Y., Albany—Office—July 10, by Dirs. City Savings Bank Co., office building on site of Empire Theater. $700,000. M. T. Reynolds, 100 State St., archt.

N. Y., Brooklyn—School—June 12, by Bd. Educ., 500 Park Ave., New York, P. S. 188, brick, steel and stone, Neptune Ave. between 33rd and 35th Sts., here. $500,000. C. B. J. Snyder, Flatbush Ave. and Concord St., archt. and engr. Noted Dec. 29.

N. Y., Corning—Hospital—June 12, by W. F. Gurnsey, secy. Corning Hospital Assn., 4 story, brick addition. $150,000. F. H. Dewey & Co., 175 5th Ave., New York, archts. Noted June 1.

N. Y., Cornwall-on-Hudson—School—June 23, by Bd. Educ., brick and stone, plain foundation. $150,000. Tooker & Marsh, 101 Park Ave., New York, archts. and engrs.

N. Y., Forest Hills—Apartment—June 20, by K. M. Murchison, archt. and engr., 101 Park Ave., New York, 4 story, brick, steel and stone, plain foundation, Queens Blvd., Continental Ave. and Winsor Pl., here, for Cord-Meyer Development Co. $400,000. Noted April 20.

N. Y., New York—Apartment—R. J. Moorehead, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., 5 story, brick, steel and stone, plain foundation, Sheridan Ave. and 162nd St. Work will be done by separate contracts under supervision of architect. Archts. est. $175,000.

N. Y., New York—Museum—Dept. Parks, Municipal Bldg., taking bids and opens same about June 15, brick, steel and stone wing, plain foundation, 77th St. $1,500,000.

N. Y., Norwich—High School—June 28, by Bd. Educ. addition to high school. To exceed $150,000. J. M. Platt, 524 Cutler Bldg., Rochester, archt.

N. Y., Perrysburg—Hospital—June 12, by Com. Parks & Buildings, Room 6, Municipal Bldg., Buffalo, hospital, here, incl. x-ray laboratory addition, power house, sewage disposal plant, etc.

Pa., Phila.—Bank—P. A. Davis, archt., 1713 Sansom St., receiving bids 1 story, 27 x 110 ft. brick and steel, plain foundation, Midvale and Ridge Aves., for East Falls Bank, East Falls (Phila. P. O.). $150,000.

N. J., Somerville—Parish House—H. Trumbauer, archt., Land Title Bldg., Phila., taking bids 2½ story, 47 x 108 ft., cut stone, plain foundation, here, for St. Johns Parish. $150,000.

Pa., Greensburg—Home—June 12, by Bd. Comrs. Westmoreland Co., Court House, altering and building addition to county home. $190,000. Burrell & Snyder, Coulter Bldg., archts. Noted March 23.

Pa., Harrisburg—High School—June 23, Bd. Dirs. City School Dist., general construction, heating, plumbing, etc. for Units C-1, C-2, and C-3 of Senior High School, 3rd and Division Sts. D. D. Hammelbaugh, secy.; adv. this issue.

Pa., Waynesburg—Bank—Citizens Natl. Bank will build 1 story, brick, steel and stone, plain foundation. $175,000. Work will be done by separate contracts under supervision of Dennison & Hirons, archts. and engrs., 475 5th Ave., New York. Noted April 13.

N. C., Candor—School—June 20, by Bd. Trustees, V. W. Burkhead, secy., brick school. $150,000. Architect not announced.

N. C., Charlotte—Hotel—W. L. Stoddard, archt. and engr., 9 East 40th St., New York City, receiving bids and opens same about June 30, 12 story, West Trade St., for Citizens Hotel Co., Charlotte. $1,000,000. Noted Feb. 16.

N. C., Spray—Schools—June 14, by Twp. School Com., L. W. Clark, chn., building two schools, one at Leaksville, and one at Draper. $150,000. W. C. Northup, Winston-Salem, archt.

Ga., Claxton—Jail and Courthouse—June 15, by Bd. Comrs. of Roads and Revenues, Evans Co., 3 story, 40 x 80 ft., brick, rock foundation. J. J. Baldwin, Anderson, S. C., archt.

Tenn. Nashville—Bank and Office—June 23, by Caldwell & Co., 214 Union St., 8 story, 37 x 170 ft., rein.-con. and stone, 4th and Union Sts. $650,000. Marr & Holman, Stahlman Bldg., archts.

O., Westerville — High School — June 24, by H. B. Somers, clk. Bd. Educ., 2 story, 140 x 140 ft., brick and concrete. $150,000. Glass & Austin, Gas Co. Bldg., Columbus, archts. Noted May 18.

Mich., Grand Rapids—Hotel and Bank—Holabird & Roche, archts., 104 South Michigan Ave., Chicago, receiving bids 13 story, 87 x 150 ft., Monroe and Ionia Aves., for Morton Hotel Co., Grand Rapids. $750,000.

Ill., Chicago — Apartment — A. Jacobs, archt., 138 North La Salle St., receiving bids 3 story, 100 x 119 ft., rein.-con., brick and steel, St. Louis and Ainslee Sts., for T. S. Salin, c/o architect. $150,000.

Ill., Chicago—Hotel—Giaver & Dinkelberg, archts., 400 North Michigan Ave., receiving bids 21 story, 72 x 140 ft. rein.-con. brick and steel motor hotel and garage, Wabash Ave. and Lake St., for Natl. Automobile Hotel Co. c/o architects. $1,200,000. Noted Feb. 23.

Wis., Phelps—High-Grade School—June 15, by Bd. Educ., 2 story, 75 x 150 ft., brick, rein.-con. and steel, plain foundation. $150,000. Claude & Storck, Badger Annex, Madison, archts.

Kan., Liberal—High School—June 15, by Secretary Bd. Educ., high school. $175,000 L. Schmidt & Co., 121 North Market St., Wichita, archts.

Kan., Wichita—High School—June 22, by Secretary Bd. Educ., 3 story, on East Douglas St. $1,000,000. L. Schmidt & Co., 121 North Market St., archts.

Wyo., Worland—Reformatory—June 27, by State Bd. Charities, Cheyenne, 3 story, 200 x 300 ft. reformatory, at State Industrial Farm, here. $190,000. W. Dubois, Hynds Bldg., Cheyenne, archt.

Tex., Mexia—High School—June 13, by Secretary School Trustees, 2 story, brick, stone and rein.-con. $190,000. De Witt & Lemmon, 806 Southwestern Life Bldg., Dallas, archts. Noted April 20.

Ont., Ottawa—High School—June 10, by Richards & Abra, archts., Home Bank Chambers, Sparks St., brick high school for Carleton Co. $150,000.

Ont., Preston—Sanitarium—June 10, by Watt & Blackwell, archts., Bank of Toronto Bldg., London, 2 story, 50 x 370 ft., concrete, tile and stucco, for Preston Sanitarium Co. $225,000. Noted May 4.

BIDS RECEIVED

N. Y., Maspeth (Flushing, P.O.)—School—C. B. J. Snyder, supt. School Buildings of Bd. Educ. of New York, Flatbush Ave. and Concord St., Brooklyn, opened bids June 5, addition to P. S. 72, Maspeth Ave. and Broad St., here, from Putnam Constr. Co., 303-5th Ave., New York, $219,800; P. J. Brennan & Son, 624 Madison Ave., New York, $225,600; Concord Constr. Co., 476 Seneca Ave., Brooklyn, $228,500. Noted May 25.

N. Y., New York.—Court House—Bd. Estimate and Apportionment, Municipal Bldg., opened bids June 2, superstructure of court house, within area bounded by Centre, Worth, Baxter and Pearl Sts. Figures will be published in next issue. Noted May 11.

N. C., High Point—Municipal—Constructing municipal building with auditorium, general contract from J. A. Jones Constr. Co., Realty Bldg., Charlotte, $167,000; J. W. Stout & Co., Sanford, $118,500; R. K. Stewart & Son, High Point, $179,400. Noted Dec. 29.

O., Columbus—High School—E. L. McCune, clk. Bd. Educ., Town and High Sts., opened bids May 25, general contract Abraham Lincoln High School, 2 story, 220 x 300 ft., brick, steel and concrete, Deshler Ave., from Waldbridge-Aldinger Co., Toledo, $585,554, Drummond-Miller Co., 4500 Euclid Ave., Cleveland, $594,700, R. H. Evans & Co., Ferris Bldg., $618,852; plumbing, heating and ventilating work, from W. H. Conklin Co., 78 North Grant Ave., $119,225, S. A. Esswein Heating & Plumbing Co., 96 West Broad St., $121,488, Fitzpatrick & Hoepfner, 63 East Gay St., $134,893; electrical work, from Hughes Peters Electric Co., 104 East Long St., $26,687, Iron City Eng. Co., Frick Annex, Pittsburgh, Pa., $28,900. Noted May 4.

Cal., San Mateo — Schools — San Mateo School Dist., constructing (1) Central School, (2) Poplar School, (3) total for both buildings, from C. Pedersen, 118 10th Ave., (1) $72,600, (2) $61,900, (3) $134,500; Ward & Jones, 180 Jessie St., San Francisco, (1) $75,490, (2) $64,260, (3) $139,750; P. F. Reilly, 180 Jessie St., San Francisco, (1) $77,800, (2) $64,900, (3) $141,900. Noted May 18.

CONTRACTS AWARDED

N. H., Laconia — High School — School Building Comn., 2 story, 123 x 164 ft. brick and steel, Union Ave., to J. Miles & Sons Co., 393 Main St., Worcester, Mass. $208,897. Noted April 27.

Mass., Palmer—High School—C. H. Hobson, chn. High School Com., 2 story, 100 x 150 ft. brick and steel, plain foundation, Main St., to L. S. Wood, 14 Stockbridge St., Springfield. This corrects report June 1 issue.

N. Y., Brooklyn—Apartment—Gordon & Berry, c/o Slee & Bryson, archts. and

Buildings (Continued)
engrs., 154 Montague St., 6 story, brick, steel and stone, plain foundation, Clinton Ave. near Gates Ave., by day labor. Archts. est. $165,000.

N. Y., New York—Apartment—Hillsal Building Co., c/o J. M. Felson, archt. and engr., 1133 Bway., 5 story, brick, steel and stone, plain foundation, Topping Ave. Work will be done by day labor. Archts. est. $150,000.

N. Y., New York—Apartment—Sil-Mark Realty Corp., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., brick, steel and stone, plain foundation, Aldus Ave., by day labor. Archts. est. $350,000.

N. Y., New York—Office—Merchants & Manufacturers Exch., Grand Central Palace, general contract 20 story, on easterly side of Park Ave. between 46th and 47th Sts., to T. C. Desmond & Co., Inc., 26 Beaver St. Archts. est. $2,000,000.

N. Y., New York—School—Delehanty Institute of Civil Serv., East 11th St., 3 story, 50 x 103 ft., brick, steel and stone, plain foundation, 113-115 East 15th St., to J. A. Champion, Inc., 48 East 10th St.

N. J., Bridgeton—Hotel—Dreher, Churchman & Paul, archts., Otis Bldg., Phila., 5 story, 44 x 117 ft., granite, plain foundation, Commerce and Pearl Sts., here, to Moore & Co., 19th and Cherry Sts., Phila., for Bridgeton Hotel Co. $286,000. Noted May 18.

N. J., Jersey City—Church—Church of Our Lady of Victories, 1 story, 65 x 130 ft., stone and steel, plain foundation, Edge Ave., to Gunn-Van Dale Co., 9 Clinton St., Newark. Archts. est. $150,000. Noted March 16.

N. J., Newark—Y. M. H. A., c/o F. Grad, archt. and engr., 245 Springfield Ave., 96 x 176 ft., brick, steel and stone, High and West Kinney Sts., to E. M. Waldron & Co., 27 Central Ave. Archts. est. $500,000. Noted Dec. 22.

N. J., Vineland—Temple—F. & A. Masonic Lodge, c/o A. L. Williams, Vineland, 3 story, 30 x 120 ft., cut stone, plain foundation, 518 Landis Ave., to J. Pasquale, Vineland, $150,000.

D. C., Wash.—Bank—Riggs Natl. Bank, Pennsylvania Ave., remodeling brick and stone bank, Pennsylvania Ave. and 15th St., to G. A. Fuller Co., 175 5th Ave., New York, $250,000. Noted March 31, 1921.

W. Va., Bluefield—Store and Office—R. W. Honaker, will build 5 story, brick and steel, by day labor. $150,000. Garry & Sheffer, Bluefield, archts.

W. Va., Charleston—Jail—Bd. Comrs. Kanawha Co., constructing 3 story, stone addition, to Wise Granite & Constr. Co., Amer. Natl. Bank Bldg., Richmond, Va., $188,900. Archts. est. $150,000. Noted May 18.

W. Va., Morgantown—Community—W. C. T. U., 3 story, 57 x 120 ft., brick, Fayette St., to E. R. Baker, Morgantown, $103,000.

N. C., Gastonia—High School—Bd. Educ., high school, to J. A. Gardner, 204 North Tryon St., Charlotte, $266,142. Noted Jan. 5.

N. C., Greenville—Dormitory—East Carolina Teachers College, dormitory and addition to administration building, general contract, to J. E. Beaman, Commercial Bank Bldg., Raleigh, $163,200. Noted June 1.

Fla., St. Petersburg—Hotel—Ponce de Leon Hotel Co., 6 story, 44 x 120 ft., steel, tile and stucco, to J. A. Cherboucaux, St. Petersburg.

O., Cleveland—Apartments—Kirby Building Co., Discount Bldg., general contract two 3 story, brick and steel, East 133rd St. and Shaker Blvd., to Hunting Constr. Co., Cleveland Discount Bldg. Archts. est. $400,000.

O., Cleveland—Apartment—Park Lane Realty Co., 3320 Ormond Rd., Cleveland Heights, masonry contract 6 story, 150 x 180 ft., brick, steel and concrete, East 105th St. and Park Lane, here, to Cooper & Berkowitz, Linn Dr. Archts. est. $1,500,000. Noted May 11.

O., Cleveland—Bank and Office—Cleveland Trust Co., East 9th St. and Euclid Ave., 2 story, 65 x 150 ft., brick, steel and concrete, East 55th St. and Woodland Ave., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $150,000. Noted May 11.

O., Cleveland—Commercial and Market—Superior-Lakeview Co., c/o G. A. Grieble, archt., Sloan Bldg., 2 story, 198 x 288 ft., brick, steel and concrete, Superior Ave. and East 120th St., to Haag Constr. Co., 604 Newman-Stern Bldg. Archts. est $500,000. Noted April 27.

O. Cleveland—High School—Bd. Educ., East 6th St. and Rockwell Ave., 3 story, brick, steel and concrete addition, plain foundation, Scranton Rd., to Schirmer O'Hara Co., 2031 Euclid Ave., $412,545. Noted Oct. 6.

O., Cleveland—Store—Higbee Co., 1224 Euclid Ave., 5 story, 69 x 184 ft., brick, steel, concrete and terra cotta addition, to Crowell & Little Constr. Co., 3751 Prospect Ave. Archts. est. $1,000,000. Noted March 23.

O., Clyde—High and Grade School—Bd. Educ. general contract 2 story, 54 x 151 ft. and wing, brick and concrete, to Hassler Bros., Tiffin, $102,300. Noted May 4.

O., Columbus—Nurses Home—Grant Hospital, 125 South Grant Ave., 3 story, 36 x 156 ft. and 12 x 40 ft., brick and concrete, to R. H. Evans & Co., Ferris Bldg., $160,000. Noted May 4.

O., East Cleveland (Cleveland P. O.)—School, etc.—Bd. Educ. general contract 2 story, 61 x 208 ft. school and heating plant, brick, steel and concrete, Caledonia Ave., to C. Peterson Co., 4500 Euclid Ave., Cleveland, $67,370; heating and plumbing work, to Weiss Heating & Plumbing Co., Carnegie Ave., Cleveland, $19,460. Noted May 11.

O., Euclid—Schools—Bd. Educ., 1550 Chardon Rd., 2 story addition to Shore High School, to Alexander Bros., 426 Williamson Bldg., Cleveland, $62,683; 2 story addition to Roosevelt School, to C. Peterson Co., 4500 Euclid Ave., Cleveland, $41,917; 2 story addition to Euclid High School, to Boldt Constr. Co., 5902 Euclid Ave., Cleveland, $54,850. Noted May 11.

O., Millersburg—Grade and High School—Bd. Educ. general contract 2 story, 130 x 150 ft., brick and concrete, to S. Small, Mansfield, $129,568; heating and plumbing work, to Knox Plumbing Co., Mt. Vernon, $31,481. Archts. est. $165,000. Noted May 25.

O., Van Wert—Church—First Presbyterian Church, 1 story, brick, steel and stone, to Willing Bros., Bellevue. Archts. est. $200,000. Noted March 2.

O., Xenia—Dormitory—Wilberforce University, 5 story, 180 x 300 ft., brick, steel and concrete, on campus, to D. W. McGrath & Sons, 255 East Broad St., Columbus, $275,000. Noted May 25.

Ill., Chicago—Office—Chicago-Clark Bldg. Corp., c/c Shankland & Pingree, archts., 209 South La Salle St., remodeling 6 story, 100 x 158 ft. rein.-con., brick and steel, Chicago Ave. and Clark St., to E. L. Archibald, 111 West Washington St. Archts. est. $150,000. Noted May 18.

Ill., Joliet—Academy—A. Foster, archt., 56 East Randolph St., Chicago, 3 and 4 story, rein.-con., brick and steel, 303 Taylor St., to Anderson & Winblad, 6235 South Michigan Blvd., Chicago, for St. Francis Academy, 303 Taylor St. $500,000. Noted March 16.

Wis., Fond du Lac—Bank and Office—Commercial Natl. Bank, 93 South Main St., general contract for 7 story, 60 x 105 ft., rein.-con. brick and stone, plain foundation, to Hutter Constr. Co., 128 Western Ave., $164,460. Noted Feb. 9.

Wis., Madison—Bank and Office—Commercial Natl. Bank, c/o S. Levitan, pres., State St., general contract 2 story, 50 x 75 ft., brick, rein.-con. and steel, plain foundation, State St., to J. H. Findorff, 601 West Wilson St.

Wis., Milwaukee—Apartment—O. Brockman, 425 East Water St., 3 story, 80 x 160 ft., brick and concrete, plain foundation, Hathaway Pl., to S. M. Siesel, 105 Wells St. Engrs. est. $225,000. Noted May 4.

Wis., Milwaukee—Apartment—J. P. Kalt, 130 Grand Ave., 3 story, 67 x 148 ft., brick and concrete, plain foundation, 16th St. and Grand Ave., to Wilke Bros., 1011 Island Ave., Milwaukee. Engrs. est. $150,000. Noted May 18.

Minn., Preston—High School—Bd. Educ., general contract for 2 story, 60 x 200 ft. rein.-con., brick, stone and tile, to J. B. Nelson Constr. Co., Mankato, $104,000. Total cost $150,000. Noted May 18.

Minn., Virginia—School—Bd. Educ., general contract 3 story, 62 x 109 ft. school with 1 story 34 x 70 ft. gymnasium, rein.-con. brick and steel, concrete foundation, to Evenson & Utterberg, 550 Builders Exch., Minneapolis, $123,500. Noted May 18.

Col., Steamboat Springs—Court House—Routt Co. 3 story, 60 x 118 ft., to A. Danielson, 780 Harrison St., Denver, $122,000. Noted May 4.

N. M., Santa Fe—Capitol—State Capitol Bd., 2 story, 65 x 192 ft., brick and steel, to V. E. Ware, 1614, East Missouri St., El Paso, Tex., $178,000. Archts. est. $250,000. Noted May 18.

Federal Government Work

PROPOSED WORK

D. C., Wash.—Hospitals—U. S. Senate passed bill appropriating $12,000,000 for hospitals in following places: Dist. 1, New England, Neuro psychiatric cases, $1,500,000; Dist. 2, New York, New Jersey and Connecticut, tuberculosis cases, $2,[illegible],000; Dist. 5, North Carolina, South Carolina, Georgia, Florida and Tennessee, general cases, $600,000; Dist. 6, Louisiana, Alabama and Mississippi, Neuro psychiatric cases, $1,150,000; Dist. 7, Ohio, Indiana and Kentucky, neuro psychiatric cases, $1,500,000; Dist. 8, Illinois, Michigan and Wisconsin, neuro psychiatric cases, $3,000,000; Dist. 9, Missouri, Kansas, Iowa and Nebraska, neuro psychiatric cases, $1,500,000; Dist. 10, Minnesota, North Dakota, South Dakota and Montana, neuro psychiatric cases, $1,500,000; Dist. 12, California, Arizona and Nevada, tuberculosis cases, $1,500,000; Dist. 13, Washington, Oregon and Idaho, neuro psychiatric cases, $750,000; Dist. 14, Oklahoma, Texas and Arkansas, neuro psychiatric cases, $600,000. U. S. Veterans Bureau and War Risk Insurance Bureau, Arlington Bldg., will be in charge of all the above work.

BIDS DESIRED

Mass., Nantucket—Radio Compass House—Spec. 4638—June 14 by Bureau Yards & Docks, Navy Dept., Wash., D. C., radio compass house, at Surfside, here.

N. Y., Brooklyn—Fence—Spec. 4673—June 20, by Bureau Yards & Docks, Navy Dept., Wash., D. C., iron fence on Flushing Ave., here.

N. Y., Brooklyn—Heating System—June 15 at Constructing Quartermaster's Office, 39 Whitehall St., New York, heating system, in Machine Shop A, Army Supply Base, here; adv. this issue.

N. Y., Brooklyn—Repairs—Spec. 4671—June 14, by Pub. Wks. Dept., Navy Yard, repairs to wharf at Ft. Lafayette.

N. Y., New York—Concrete Floors, etc.—June 14, at Constructing Quartermaster's Office, 39 Whitehall St., concrete floors and ramps in hangars at Mitchel Field, Long Island; adv. this issue.

Md., Baltimore—Dredging—July 7, U. S. Engineer, Baltimore, dredging Wicomico River; adv. this issue.

Md., Baltimore—Heating System—June 19 by Treas. Dept., Wash., D. C., steam heating system, at U. S. Quarantine Station, here. J. A. Wetmore, acting superv. archt.

D. C., Anacostia—Repairs—Spec. 4648—June 21 by Bureau Yards & Docks, Navy Dept., Wash., repairs to barracks, here. Noted May 25.

D. C., Bolling Field—Hangars—June 23, Constructing Quartermaster, 2306 Munitions Bldg., 19th and B Sts., Wash., 2 hangars, here; adv. this issue.

D. C., Wash.—File Cases—June 21, Treas. Dept., Wash., metal file cases in Room 413, U. S. Treas. Bldg., J. A. Wetmore, acting superv. archt.; adv. this issue.

D. C., Wash.—Fuel Oil Tanks, etc.—Spec. 4640—June 21, by Bureau Yards & Docks, Navy Dept., oil tanks and piping at Balboa and Cristobal, tanks, pumps, etc. at Coco Solo. L. E. Gregory, ch. of bureau; adv. this issue.

D. C., Wash.—Repairs—Spec. 4623—June 21 by Bureau Yards & Docks, Navy Dept., repairs to Marine Barracks and Officers Quarters. Noted May 4.

D. C., Wash.—Repairs to Cable, etc.—June 20, Constructing Quartermaster, 2306 Munitions Bldg., 19th and B Sts., repairs to electric cable and street lighting system at Washington Barracks, here; adv. this issue.

Va., Norfolk—Paving, etc.—Spec. 4657—June 14 by Bureau Yards & Docks, Navy Dept., Wash., D. C., paving and repairing roads, here.

Va., Norfolk—Steam Main—Spec. 4617—June 21 by Bureau Yards & Docks, Navy Dept., Wash., D. C., high pressure steam main, here. Noted April 27.

Va., Quantico—Remodeling—Spec. 4643—June 21 by Bureau Yards & Docks, Navy Dept., Wash., D. C., remodeling hotel here. Noted May 25.

Va., Yorktown—Alternators, etc.—Spec. 4612—June 21 by Bureau Yards & Docks, Navy Dept., Wash., D. C., alternators and auxiliary equipment, here. Noted April 27.

Ga., Ft. Benning—Coal Chute, etc.—June 20, at office Constructing Quartermaster, Ft. Benning, coal chute and trestle approach, here; adv. this issue.

Federal Government Work (Continued)

Ga., Ft. Benning—Storehouses—June 20 at office Constructing Quartermaster, Ft. Benning, for 2 storehouses; adv. this issue.

La., New Orleans—Changes, etc.—June 20 by Treas. Dept., Wash., D. C., changes and alternations in U. S. Post Office and Court House, here. J. A. Wetmore, acting superv. archt.

Tenn., Memphis—Rubber Hose—July 1, at Office Mississippi River Comn., 1st and 2nd Dists., Customhouse, rubber hose; adv. this issue.

Ind., Evansville—Boilers—June 23, Treas. Dept., Wash., D. C., removing 2 boilers and installing 2 new horizontal return tubular high pressure steam boilers, with down shaft furnaces at U. S. Marine Hospital, here. J. A. Wetmore, acting superv. archt.

Mich., Detroit—Gate Engines—June 28, at U. S. Engineer office, Detroit, gate engines for Poe Lock at Saulte Ste. Marie; adv. this isue.

Ill., Bloomington—Boiler, etc.—June 19, Treas. Dept., Wash., D. C., steam heating boiler, etc., at U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Ia., Vinton—Post Office—June 26 by Treas. Dept., Wash., D. C., U. S. Post Office, incl. mechanical equipment, here. J. A. Wetmore, acting superv. archt. Noted April 28, 1921.

Minn., Crookston—Parcel Post Room, etc. —July 3, by Treas. Dept., Wash., D. C., parcel post room, mail chute, etc., in U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Tex., Ft. Sam Houston—Oil Burning System, etc.—June 23, Constructing Quartermaster, oil burning system, etc., here; adv. this issue.

Colorado—Roads—June 15 by Bureau Pub. Rds., Customs Bldg., Denver, grading 8 mi. Cumbres Pass Forest Rd. Project, Archuleta and Conejos Counties, 42,000 cu. yd. rock and 48,000 cu.yd. earth excav., $130,000; 2 mi. Ouray Silverton Rd., Ouray Co., 56,000 cu.yd. rock and 3,000 cu.yd. earth excav., $100,000. J. W. Johnson, dist. engr.

California—Roads—June 22, by C. H. Sweetser, dist. engr., Bureau Pub. Rds., 881 Mills Bldg., San Francisco, grading and building structures on 10.4 mi. Big Bear Valley Rd., in Los Angeles National Forest, 325,000 cu.yd. excav., 118 cu.yd. Class A concrete, 21,100 lb. reinforcing, etc., $168,000. Noted May 11.

Cal., Tiburon—Dredging—Spec. 4660—June 14, at Pub. Wks. Office, Navy Yard Mare Island, dredging at Naval Coal Depot (California City Point) here.

BIDS RECEIVED

Pa., Pittsburg—Post Office—Treas. Dept., Wash., D. C., for U. S. Post Office, here, from W. D. Lovell, 4518 8th St., Minneapolis, Minn., $49,800.

Tex., Mt. Pleasant—Post Office—Treas. Dept., Wash., D. C., U. S. Post Office, here, from W. D. Lovell & Co., 4518 8th St., Minneapolis, Minn., $53,125; Regan Constr. Co., 2 East Lexington St., Baltimore, Md., $54,300.

N. M., Ft. Bayard—Remodeling—Treas. Dept., Wash., D. C., remodeling sewage tank and filter beds at U. S. Veterans Hospital, here, from G. E. Wright, Inc., Monadnock Bldg., Chicago, $42,300 (150 days).

CONTRACTS AWARDED

N. Y., New York—Hangars, etc.—Constructing Quartermaster, 39 Whitehall St., taking down and erection steel hangars and doors, etc., at Mitchel Field, Long Island, to Donnell-Zane Co., 233 Bway., New York, $22,619.

Pa., Tobyhanna—Power Plant, etc.—Constructing Quartermaster, Camp Summerall, power plant, machine shop and equipment, repairs to interior wiring, transmission line, water system, distributing system, new roads, etc., here, to Newport Contg. and Eng. Co., Law Bldg., Newport News, Va., $89,296.

Va., Yorktown—Reservoir and Dispensary—Spec. 4565—Bureau Yards & Docks, Navy Dept., Wash., D. C., reservoir and dispensary, here, to S. R. Curtis, Lee Hall, $24,857 (120 days). Noted May 18.

H. T., Pearl Harbor—Roads—Spec. 4575 —Bureau Yards & Docks, Navy Dept., Wash., D. C., roads, here, to L. R. Smith, 1576 Pensacola St., Honolulu, $58,278 (125 days). Noted Jan. 5.

Miscellaneous

PROPOSED WORK

Electric Barges—Buffalo, N. Y.—Inland Lakes & River Transit Co., c/o C. A. Swigert, mgr., Marine Trust Bldg., plans several electric, steel and self propelling barges for operation on Barge Canal between here and New York. $150,000 each.

Passenger Vessels—Buffalo, N. Y.—Detroit & Cleveland Navigation Co., foot of Main St., Buffalo, and foot of 3rd St., Detroit, Mich., plans two 580 ft. passenger vessels for use on Lake Erie. $2,500,000 each.

Park—Elmira, N. Y.—Cashmere Grotto No. 11, M. O. V. P. E. R. Masonic Temple, plans new park to be known as Grotto Park. $40,000.

Light and Phone Wires—Mt. Morris, N. Y. —See "Streets and Roads."

Transmission Line—Schenectady, N. Y.—Adirondack & Southern Power Co., Poughkeepsie, having plans prepared for double circuit, 3 phase, 60 cycle, 110,000 volts, strung with suspension type insulators, size 0000 bare stranded copper wire on steel towers, from here to Catskill, approximately 45 mi. O. H. Bundy, Poughkeepsie, engr.

Electric Lighting System—Jersey City, N. J.—See "Streets and Roads."

Ornamental Lighting System—Lima, O.—Plans extending ornamental lighting system. $50,000. C. A. Bingham, city mgr.

Block Scarifier—Ft. Atkinson, Wis.—City will soon take bids on block scarifier. H. H. Smith, clk.

Transmission Line—Lodi, Wis.—Lodi Utilities Co., c/o W. F. Groves, plans electric transmission line in Columbus Co., to connect adjacent towns. $40,000-$50,000. Engineer not selected.

Stadium—Madison, Wis.—University of Wisconsin having plans prepared rein.-con. and steel addition to stadium on athletic field. $60,000. A. Peabody, Capitol Bldg., engr.

Swimming Pool—Madison, Wis.—University of Wisconsin plans rein.-con., brick and tile swimming pool in mens gymnasium. $50,000. J. D. Phillips, bus. mgr. Engineer not selected.

Gas Line—Montana—Northwestern Pub. Utilities, Inc., c/o S. C. Hopkins, secy., Joliet, Ill., plans gas pipe lines in Glendive, Terry and Miles City, here. $1,500,000.

Gas Line, etc.—Dallas, Tex.—Dallas Gas Co., Inc., 2016 Jackson St., plans to expend $325,000 on improvements during year, incl. laying about 20 mi. 4-16 in. pipe and improving distributing station near here. H. C. Morris, mgr.

Lighting System — Dinuba, Cal. — Soon takes bids constructing lighting system involving 325 metal electric standards and 40,000 ft. conduit and cable. C. E. Sloan, Santa Fe Bldg., San Francisco, engr.

Extending Pier—Hermosa Beach, Cal.—See "Waterworks."

Pier—Oakland, Cal.—City will build pier at foot of Market St., by day labor, under supervision R. Beebee, harbor engr. $200,000.

Cement—Turlock, Cal.—Turlock and Modesto Irrigation Dists., takes bids in about 3 months, furnishing 50,000 bbl. portland cement for Don Pedro Dam Project.

Electric Lighting and Power System—Belle River, Ont.—City having plans prepared for electric lighting and power distribution system. $35,000. E. D. Lawler, 190 University Ave., Toronto, engr.

Floating Drydock, etc.—Guaymas, Manzanillo, Mexico—Government of Mexico plans floating drydock, marine railway and repairing equipment. $1,000,000.

BIDS DESIRED

Underground Fire Alarm System—Brooklyn, N. Y.—June 27, by T. J. Drennan, Fire Comr., Municipal Bldg., New York, constructing portion of underground fire alarm system, here.

Asphaltic Cement—St. George, N. Y.—June 14, by M. J. Cahill, pres. Richmond Boro, furnishing and delivering 400 tons alternate "A" natural lake asphaltic cement and alternate "B" oil asphaltic cement, at asphalt plant of Bureau of Highways, Tompkins Ave., Clifton.

Subway—Erie, Pa.—June 16, by M. J. Henry, city clk., for (1) grading, (2) draining, (2) draining and (3) constructing city's portion of concrete retaining walls in connection with Cherry St. subway, $105,000 (city's share). F. G. Lynch, city engr.

Fuel Oil, Fire Hydrants, etc.—Phila., Pa. —June 12, by A. Becker, purch. agt., 250,000 gal. fuel oil, fifty 8 in. iron bronze gate valves, 150 single nozzle fire hydrants, 4,000 tons ⅜ in. crushed pebbles.

Transmission Line—Dane, Wis.—Wisconsin Power, Light & Heat Co., Gay Bldg., Madison, taking bids 35 mi. transmission line from here to Beaver Dam, with substation at Columbus. Noted March 9.

BIDS RECEIVED

Dredge Repair—New York, N. Y.—Commissioner Docks & Ferries, Pier "A" North River, opened bids June 5, repairs to dredge "Grabit," Contr. 1738, from Clinton Dry Docks, Inc., foot of Clinton St., Brooklyn, $27,780; Jakobson & Peterson, Inc., $27,827; J. W. Sullivan & Son, 827 East 9th St., $29,863.

Dumping Scows—New York, N. Y.—Bd. Purch., Municipal Bldg.; opened bids June 5, building and delivering 12 side dumping scows, to Dept. Street Cleaning, from W. H. Goeghan, 147 Remsen St., Brooklyn, $491,904; Atlantic Gulf & Pacific Co., 13 Park Row, $533,900; Merchants Shipbuilding Corp., $588,000. Noted May 18.

Car Shed, etc.—New York, N. Y.—Transit Comn., 49 Lafayette St., opened bids June 2, constructing (1) temporary car shed at site of Lenox Ave. shops, Agreement "BY," (2) installing tracks incl. frogs, switches, bumping posts and miscellaneous work, 147th St. and Lenox Ave., (3) frogs, switches and tracks for storage of cars 180th St. Yard, White Plains Rd., Line Route 18, from J. B. Roberts & Co., 1170 Bway., (1) $27,325; C. Meade & Co., 217 West 14th St., (1) $29,200; Mark Eng. & Contg. Co., (1) $29,996; T. H. Reynolds Constr. Co., 50 Park Pl., (2) $23,285, (3) $14,000; Slattern Eng. & Constr. Co., 10 East 43rd St., (2) $23,440, (3) $7,435; Eastern Constr. Co., (2) $28,795. Noted May 25.

CONTRACTS AWARDED

Grain Handling System—Portland, Me.—Dirs. Port of Portland, 67 Commercial St., furnishing and installing grain handling system, to D. E. McIntire, Inc., 74 Broad St., Boston, Mass., $30,954. Noted May 4.

Bulkhead Platform—New York, N. Y.—J. H. Delaney, comr. Docks, Pier "A" foot of Battery Pl., North River, bulkhead platform between foot of Stanton and East 3rd Sts., to A. N. Spooner & Son, Pier 11, North River, $98,400; dredging thereat, to Morris & Cummings Dredging Co., 17 State St., $0.28 per cu.yd. Noted May 18.

Wood Paving Blocks—New York, N. Y. —J. Miller, pres. Manhattan Boro, Municipal Bldg., furnishing and delivering 300,000 wood paving blocks, to Amer. Creosoting Co., 17 Battery Pl., $12,000. Noted May 18

Steam Roller—Ogdensburg, N. Y.—Bd. Pub. Wks., 10 ton steam roller and scarifier, to Galion Iron Wks. & Mfg. Co., Galion, O., $5,200. Noted April 27.

Gas Holder, etc.—Norfolk, Va.—City Gas Co., gas holder, boiler works and extension to gas mains at present plant on Monticello Ave., to Cruse-Kemper Co. Amblar, Pa., $122,000.

Wharf, etc.—Norfolk, Va.—For 34 x 1,400 ft. marginal wharf and pile jetty at Sewells Point, (a) timber type, (b) concrete type, from Alsop & Pierce, Newport News, (a) $413,300; Empire Eng. Co., Boston, Mass., (a) $452,000; Sanford & Brooks, Commerce and Water Sts., Baltimore, Md., (a) $477,000; (b) $537,000; Raymond Concrete Pile Co., 90 West St., New York, (b) $417,000; J. Stewart Co., 30 Church St., New York, (b) $450,000. Contract awarded to Raymond Concrete Pile Co., 90 West St., New York, $417,000.

Gas Mains and Equipment—Orlando, Fla. —Orlando Water and Light Co., furnishing 700 ton c.i. gas mains, to Amer. Cast Iron Pipe Co., Acipco, Birmingham, Ala., $40,000; extending gas making equipment, to Gas Mchy. Co., Cincinnati, O., $27,000.

Road Oil, etc.—Madison, Wis.—For 50,000 gal. asphaltic road oil, to Barrett Co., 10 South La Salle St., Chicago, $0.095 per gal; 10,000 gal. liquid asphalt, to Barber Asphalt Co., Land Title Bldg., Phila., $0.09.

Tunnel—Plateau, Mont.—Northern Pacific R.R., 5th and Jackson Sts., St. Paul, Minn., 1 mi. line change incl. 300 ft. concrete lined tunnel, 35 mi. west of Missoula, near here, to Clifton, Applegate & Toole, Hutton Bldg., Spokane, Wash., $80,000. Engrs. estimate $107,000. Noted Jan. 5.

Steel Gas Container—San Francisco, Cal. —Pacific Gas & Electric Co., 445 Sutter St., constructing 45,000 sq.ft. steel gas container, 245 ft. high, Army and DeHaro Sts., to Bartlett-Haywood Co., 200 Scott St., Baltimore, Mo., $700,000.

Cement—Turlock, Cal.—Dirs. Turlock and Modesto Irrigation Dists., 50,000 bbl. cement, to Pacific Portland Cement Co., Pacific Bldg., San Francisco, $3.61 per bbl. f.o.b. Don Pedro Dam. Noted May 4.

Asphalt—Montreal, Que.—For 2,000 ton asphalt, to Imperial Oil Co., St. Patrick St., $15 per ton. Noted April 27.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate: 40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ADVERTISEMENTS ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE.

OFFICIAL PROPOSALS

Bids: June 13.

State Highway Work

Baltimore, Md.

Sealed proposals for building four sections of State Highway, as follows:

Montgomery County. Cont. M-31. One section of State Highway from Potomac to Conduit Road via Leland Corner, a distance of 5.0 miles. (Macadam Resurfacing.)

Montgomery County. Cont. M-32. One section of State Highway from Bethesda to Lelands Corner, a distance of 5.0 miles. (Macadam Resurfacing.)

Anne Arundel County, Cont. AA-17. One section of State Highway along the Defence Highway from end of Cont. AA-12 to the Chesterfield Road, a distance of 2.86 miles. (Grading and Drainage.)

Charles County, Cont. Ch-22. One section of State Highway from Mason's Springs toward Pomonkey for a distance of 2.0 miles (Gravel) will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. Standard Time on the 13th day of June, 1922, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 25th day of May 1922.

L. H. STEUART, Secretary.
J. N. MACKALL, Chairman

Bids: July 6.

Sewer Construction

Winter Haven, Fla.

Sealed proposals on blank forms furnished by the town and addressed to "The Mayor and Council, Winter Haven, Florida," will be received until seven P.M., July 6th, 1922, at Winter Haven, Florida, for furnishing all material, equipment and labor for the construction of a sanitary Sewer System, complete, at Winter Haven, Florida, as per plans and specifications adopted by them.

The work will consist of approximately twelve miles of pipe sewers from 8 to 15 inches in diameter, and three disposal plants complete.

Each bid must be accompanied by a certified check or satisfactory bidder's bond for Two Thousand ($2,000.00) Dollars made payable to the Mayor.

Plans and specifications can be seen at the office of the Town Clerk or the offices of the Engineers, and specifications can be obtained from the engineers.

Full set of plans will be furnished by the engineers upon payment of Ten Dollars to cover cost of printing, etc. Of this amount five dollars will be refunded if plans are returned in good condition at or before the opening of the bids.

The right is reserved to reject any or all bids.

A. SUMMERLIN, Mayor.
M. L. HINDERLITER, Clerk.
H. S. JAUDON ENGINEERING CO., Engineers.
Elberton, Ga.

OFFICIAL PROPOSALS

Bids: June 28.

State Highway Work

Harrisburg, Pa.

Pennsylvania State Highway Department, Harrisburg, Pa. Sealed proposals will be received at the State Capitol until 10 A.M., June 28, 1922, when bids will be publicly opened and scheduled and contract awarded as soon thereafter as possible for the reconstruction of 25,122 feet of One Course Reinforced Concrete Pavement in Bradford County, Route No. 20; 21,044 feet of One Course Reinforced Concrete and Hillside Vitrified Brick Pavement in Cambria County, Route No. 54; 9,638 feet of One Course Reinforced Concrete Pavement in Clarion County, Route No. 214; 7,118 feet of One Course Reinforced Concrete Pavement in Clearfield County, Route No. 234; 8,710 feet of either Bituminous Surface Course on a Concrete Foundation or One Course Reinforced Concrete Pavement in Erie County, Appl. Nos. 1880 and 1875, and 12,997 feet of either Bituminous Surface Course on a Concrete Foundation or One Course Reinforced Concrete Pavement in Erie County, Route No. 258; 39,082 feet of One Course Reinforced Concrete Pavement in Indiana County, Route No. 228, and 27,632 feet of One Course Reinforced Concrete Pavement in Indiana County, Route No. 228; 24,856 feet of One Course Reinforced Concrete Pavement in Lackawanna County, Route No. 365; 27,081 feet of One Course Reeinforced Concrete Pavement in Lawrence County, Route No. 79; 22,171 feet of One Course Reinforced Concrete Pavement in Susquehanna County, Route No. 12; One Span Plate Girder Bridge in Cumberland County, Route No. 250; 803 feet of One Course Reinforced Concrete Pavement in Westmoreland County, Application No. 1264. Bidding blanks and specifications may be obtained free, and plans upon payment of $2.50 per set, upon application to State Highway Department, Harrisburg. No refund for plans returned. They also can be seen at office of State Highway Department, Harrisburg, 1001 Chestnut Street, Philadelphia; 119 Federal Street, N.S., Pittsburgh, Pa. George H. Biles, Assistant State Highway Commissioner.

Bids: June 12.

Reinforced Concrete Bridge and Tumbling Dam No. 449

Salem, N. J.

Sealed proposals for bids for the construction of the above structure will be received by the Bridge Committee of the Board of Chosen Freeholders of the County of Salem at the Court House at Salem, New Jersey, on Monday, June 12, 1922, until 2 p.m., Standard Time.

The bridge is over Salem Creek, on Mill Street, Woodstown, N. J. The work to be done is:

The removal of the present bridge, including its substructure, and the construction of a reinforced concrete tumbling dam and bridge with two spans of 20 feet and a roadway of 20 feet. The entire structure contains about 505 cubic yards of concrete.

For further information apply to H. B. Keasbey, County Engineer, Mecum Building, Salem, N. J.

ERWIN G. OCHS, Clerk.

May 10, 1922.

OFFICIAL PROPOSALS

Bids: June 21.

Sewage Disposal Works

East Aurora, N. Y.

Sealed proposals will be received by the Board of Trustees of the Village of East Aurora, N. Y., at the office of the Village Clerk, until 8 o'clock P.M., standard time, on June 21, 1922, for the construction of a sewage disposal works and connecting sewers.

The principal items of the proposed work are: Two (2) reinforced concrete Imhoff tanks, a dosing tank, a sludge bed, four (4) trickling filter beds and six hundred (600) feet of 10-inch to 20-inch tile sewers.

Plans and specifications are on file at the office of the Village Clerk and at the office of Walter McCulloh, Consulting Engineer, Niagara Falls, N. Y., and copies of the same will be furnished on a deposit of ten dollars ($10.00), which, if proposal is submitted, will be refunded upon the return of the plans and specifications in good order on or before June 27, 1922.

Proposals must be made on the blanks furnished by the Village and a certified check payable to the Village of East Aurora, for an amount equal to five percentum (5%) of the total sum of the bid shall accompany each proposal.

The Village reserves the right to reject any and all bids.

By order of the Board of Trustees.

DAVID N. RUMSEY,
Clerk.

Bids: June 15th.

Viaduct Construction

Denver, Colo.

Sealed proposals will be received by the Manager of Improvements and Parks up to 1:00 o'clock P. M. June 15, 1922, for the construction of the Broadway Viaduct, said viaduct being approximately 2294 lineal feet long, and contract for which will be let in four groups, for the different classes of work.

Forms of proposals, contract, bond, detail plans, specifications, etc., can be obtained at the office of the City Engineer upon payment of $10.00.

Each bidder shall accompany his proposal with a certified check of not less than 3% of the amount of his proposal; the successful bidder will be required to furnish a surety bond of the full amount of his contract.

ALBION K. VICKERY,
City Engineer

Dated: May 17, 1922.

Bids: June 21

Sewer Construction

Washington, D. C.

Sealed proposals for the following contracts will be received at the office of the Washington Surburban Sanitary Commission, Evans Building, New York Ave., Washington, D. C., until 2 P. M., Eastern Standard Time, Wednesday, June 21.

17-S, Furnishing and laying 20,000 ft. of 6 in. to 20 in. sewers.

31-S, Furnishing and laying 15,000 ft. of 6 in. to 15 in. sewers.

Plans obtainable after June 5, from Robert B. Morse, Chief Engineer of District, Hyattsville, Md., on returnable deposit of $5.00 for plans of each contract.

EMORY H. BOGLEY, J. BOND SMITH,
T. HOWARD DUCKETT, Commissioners.